

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2016 Levee Inspection Results****Sacramento River West Side Levee District**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

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SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Sacramento River West Side Levee District

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	49.64
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/15/2016 - 3/16/2016			
DWR Inspector	Jai Lor			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start		Rating **	A	Issue No.	27
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0016_01_s _ 2013_27				
Comment Code					
Inspector Comment					
District has the levee manuals.					

No Photos

LM Start		Rating **	A	Issue No.	28
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0016_01_s _ 2013_28				
Comment Code					
Inspector Comment					
District maintains a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	35
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0016_01_s _ 2013_35				
Comment Code					
Inspector Comment					
District has flood response plans and maintains flood response training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	0.00	Rating **	M	Issue No.	78
LM End	0.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.799633 °	38.811874 °
				-121.725410 °	-121.724538 °
DWR ID	DWR_NA0016_01_f_2015_78				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_78_20160321_00191.jpg



View of the vegetation on the landward side of the levee looking upstream. Spring 2016.

LM Start	0.14	Rating **	M	Issue No.	1568
LM End	0.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801471 °	38.801471 °
				-121.725171 °	-121.725171 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10087					
DS_ID:20224					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Headwall on WS undermined about 3-4-feet.					
FIELD_STRUCT_DESC: 1 of 3: 36-inch steel drainage pipe through					
levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch					
pipe sleeved through the 36-inch pipe. Annular space between pipes					
grouted. Pumps in pumphouse with walkway on LS toe. Originally					
included in the 1960 O&M manual.					
FS Date: 3/12/2013					

Photo 1 of 2 : UCIP_SP_2016_10087_17235.jpg



Pumphouse at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	0.14	Rating **	M	Issue No.	1568 (cont)	
LM End	0.14	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.801471 °	38.801471 °	
				-121.725171 °	-121.725171 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:10087						
DS_ID:20224						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Headwall on WS undermined about 3-4-feet.						
FIELD_STRUCT_DESC: 1 of 3: 36-inch steel drainage pipe through						
levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch						
pipe sleeved through the 36-inch pipe. Annular space between pipes						
grouted. Pumps in pumphouse with walkway on LS toe. Originally						
included in the 1960 O&M manual.						
FS Date: 3/12/2013						

Photo 2 of 2 : UCIP_SP_2016_10087_17234.jpg



Air vents at outlet on WS toe.

LM Start	0.14	Rating **	M	Issue No.	1567
LM End	0.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801479 °	38.801479 °
				-121.725176 °	-121.725176 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10085					
DS_ID:20356					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Headwall undermined 3-4-feet on WS toe.					
FIELD_STRUCT_DESC: 2 of 3: 36-inch steel drainage pipe through levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps in pumphouse with walkway on LS toe. Originally included in the 1960 O&M manual.					
FS Date: 3/12/2013					

Photo 1 of 2 : UCIP_SP_2016_10085_17227.jpg



Pump house on LS toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	0.14	Rating **	M	Issue No.	1567 (cont)	
LM End	0.14	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.801479 °	38.801479 °	
				-121.725176 °	-121.725176 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:10085						
DS_ID:20356						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Headwall undermined 3-4-feet on WS toe.						
FIELD_STRUCT_DESC: 2 of 3: 36-inch steel drainage pipe through						
levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch						
pipe sleeved through the 36-inch pipe. Annular space between pipes						
grouted. Pumps in pumphouse with walkway on LS toe. Originally						
included in the 1960 O&M manual.						
FS Date: 3/12/2013						

Photo 2 of 2 : UCIP_SP_2016_10085_17226.jpg



Air vents on pipes at WS toe.

LM Start	0.14	Rating **	M	Issue No.	1566
LM End	0.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801491 °	38.801491 °
				-121.725184 °	-121.725184 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10910					
DS_ID:20357					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Headwall undermined 3-4-feet on WS toe.					
FIELD_STRUCT_DESC: 3 of 3: 36-inch steel drainage pipe through					
levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch					
pipe sleeved through the 36-inch pipe. Annular space between pipes					
grouted. Pumps in pumphouse with walkway on LS toe. Originally					
included in the 1960 O&M manual.					
FS Date: 3/12/2013					

Photo 1 of 2 : UCIP_SP_2016_10910_18185.jpg



Pumphouse on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	0.17	Rating **	C	Issue No.	81
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.801776 °	38.801776 °
				-121.725349 °	-121.725349 °
DWR ID	DWR_NA0016_01_s _ 2015_81				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.28	Rating **	M	Issue No.	105
LM End	0.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.802665 °	38.804020 °
				-121.724123 °	-121.724199 °
DWR ID	DWR_NA0016_01_s _ 2016_105				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.43	Rating **	M	Issue No.	107
LM End	0.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.804841 °	38.804841 °
				-121.724190 °	-121.724190 °
DWR ID	DWR_NA0016_01_s _ 2016_107				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_107_20160321_00193.jpg



A utility pole is at the toe of the levee on the landward side looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	0.47	Rating **	M	Issue No.	1575
LM End	0.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.805353 °	38.805353 °
				-121.724207 °	-121.724207 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10103 DS_ID:20226 EP_NO: 1331 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: There is no gate in the slide gate at the concrete distribution box off the landside toe. This may not be an issue as there is a slide gate at the WS toe. FIELD_STRUCT_DESC: 54-inch corrugated metal irrigation pipe through levee 28.0 feet below crown. Vertical pumps on pile structure in the stream, walkway to pumps. Flap gates from pumps and slide gate inside a 7'X10-foot concrete surge box on the waterward side, 1948 installation. 15'X18-foot concrete distribution box 150-feet off landside toe with slide gate. (Permit No. 1331, 1948). Included in 1960 O&M manual. FS Date: 3/25/2013 7:36:51 AM					

Photo 1 of 2 : UCIP_SP_2016_10103_17262.jpg



Concrete distribution box on 150-feet off landside toe.

LM Start	0.47	Rating **	M	Issue No.	1575 (cont)
LM End	0.47	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_10103_17261.jpg



Pumping plant with concrete surge box and slide gate in foreground-off WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	0.68	Rating **	M	Issue No.	110
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.808402 °	38.808402 °
				-121.724423 °	-121.724423 °
DWR ID	DWR_NA0016_01_s _ 2016_110				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_110_20160321_00194.jpg



View of the fallen tree on the waterward side of the levee looking upstream. Spring 2016.

LM Start	0.79	Rating **	M	Issue No.	117
LM End	0.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.810051 °	38.810051 °
				-121.724640 °	-121.724640 °
DWR ID	DWR_NA0016_01_s _ 2016_117				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_117_20160321_00195.jpg



View of tree limbs on the shoulder of the waterward side of the levee. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	1.16	Rating **	M	Issue No.	119
LM End	1.16	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.815417 °	38.815417 °
				-121.725142 °	-121.725142 °
DWR ID	DWR_NA0016_01_s _ 2016_119				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_119_20160321_00196.jpg



View of the downed tree on the waterward side of the levee looking upstream. Spring 2016.

LM Start	1.18	Rating **	M	Issue No.	122
LM End	1.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.815582 °	38.817165 °
				-121.725172 °	-121.725411 °
DWR ID	DWR_NA0016_01_s _ 2016_122				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	1.28	Rating **	A/W	Issue No.	82
LM End	1.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.817036 °	38.817036 °
				-121.725410 °	-121.725410 °
DWR ID	DWR_NA0016_01_s_2014_82				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_82_20160304_00036.jpg



View of the dying tree on the waterward side of the levee. Monitor trees that could pose a threat to the integrity of the levee. Fall 2015.

LM Start	1.33	Rating **	A/W	Issue No.	83
LM End	1.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.817781 °	38.817781 °
				-121.725466 °	-121.725466 °
DWR ID	DWR_NA0016_01_s_2014_83				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Monitor trees that pose a future threat to the integrity of the levee					

Photo 1 of 1 : SP_2016_NA0016_435_83_20160321_00197.jpg



View of the tree on the waterward side of the levee looking upstream. Spring 2016.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	1.46	Rating **	M	Issue No.	125
LM End	2.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.819698 °	38.836815 °
				-121.725173 °	-121.731942 °
DWR ID	DWR_NA0016_01_s _ 2016_125				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.47	Rating **	M	Issue No.	134
LM End	2.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.819768 °	38.836814 °
				-121.725162 °	-121.731941 °
DWR ID	DWR_NA0016_01_s _ 2016_134				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.48	Rating **	M	Issue No.	145
LM End	1.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.819947 °	38.819947 °
				-121.725109 °	-121.725109 °
DWR ID	DWR_NA0016_01_s _ 2016_145				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_145_20160321_00198.jpg



View of the fallen tree on the waterward side of the levee looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	1.73	Rating **	M	Issue No.	148
LM End	1.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.823501 °	38.823501 °
				-121.724630 °	-121.724630 °
DWR ID	DWR_NA0016_01_s_2016_148				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_148_20160321_00199.jpg



Fallen tree is on the waterward slope of the levee looking upstream.
Spring 2016.

LM Start	1.87	Rating **	A/W	Issue No.	84
LM End	1.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.825534 °	38.825534 °
				-121.724749 °	-121.724749 °
DWR ID	DWR_NA0016_01_s_2014_84				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Monitor trees that pose a future threat to the integrity of the levee.					

Photo 1 of 1 : SP_2016_NA0016_435_84_20160321_00200.jpg



View of the tree on the waterward side of the levee looking upstream.
Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	1.94	Rating **	A/W	Issue No.	85
LM End	1.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.826567 °	38.826567 °
				-121.725060 °	-121.725060 °
DWR ID	DWR_NA0016_01_s _ 2015_85				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This issue should be monitored.					

Photo 1 of 1 : SP_2016_NA0016_435_85_20160304_00039.jpg



View of the sloughing on the landward side of the levee looking upstream. Spring 2015.

LM Start	2.15	Rating **	C	Issue No.	87
LM End	2.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.829330 °	38.829330 °
				-121.726607 °	-121.726607 °
DWR ID	DWR_NA0016_01_f _ 2015_87				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	2.17	Rating **	U	Issue No.	149
LM End	2.38	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.829567 °	38.832050 °
				-121.726814 °	-121.729140 °
DWR ID	DWR_NA0016_01_s_2016_149				
Comment Code					
Inspector Comment					
Seepage area has been staked and noted by LMA. Monitor seepage site.					

Photo 1 of 2 : SP_2016_NA0016_435_149_20160321_00201.jpg



The monitoring stake is on the shoulder of the levee on the landward side. Spring 2016.

LM Start	2.17	Rating **	U	Issue No.	149 (cont)
LM End	2.38	Issue Type +	Ob	Location *	LS

Photo 2 of 2 : SP_2016_NA0016_435_149_20160321_00202.jpg



View of the seepage on the landward side of the levee looking upstream. Spring 2016.

LM Start	2.37	Rating **	C	Issue No.	88
LM End	2.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.831965 °	38.831965 °
				-121.729048 °	-121.729048 °
DWR ID	DWR_NA0016_01_f_2015_88				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	2.39	Rating **	C	Issue No.	89
LM End	2.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.832187 °	38.832187 °
				-121.729256 °	-121.729256 °
DWR ID	DWR_NA0016_01_f_2015_89				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.39	Rating **	M	Issue No.	1550
LM End	2.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.832203 °	38.832203 °
				-121.729278 °	-121.729278 °
DWR ID	DWR_NA0016_01_f_2013_1550				
Comment Code					
DE : Debris					
Inspector Comment					
Equipment are at the levee toe.					

LM Start	2.39	Rating **	M	Issue No.	1550 (cont)
LM End	2.39	Issue Type +	En	Location *	LS

Photo 1 of 2 : SP_2016_NA0016_435_1550_20160304_00082.jpg



Pieces of machinery and debris at the levee toe. Spring 2014

Photo 2 of 2 : SP_2016_NA0016_435_1550_20160304_00083.jpg

View of the machinery along the landward levee toe looking upstream.
Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	2.70	Rating **	A/W	Issue No.	150
LM End	2.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.835831 °	38.835831 °
				-121.732077 °	-121.732077 °
DWR ID	DWR_NA0016_01_s_2016_150				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Monitor trees that pose a future threat to the integrity of the levee.					

Photo 1 of 1 : SP_2016_NA0016_435_150_20160321_00203.jpg



View of the tree on the waterward side of the levee looking upstream. Spring 2016.

LM Start	2.74	Rating **	M	Issue No.	98
LM End	2.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.836454 °	38.836454 °
				-121.732037 °	-121.732037 °
DWR ID	DWR_NA0016_01_f_2015_98				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_98_20160304_00050.jpg



View of the trees on the landward side of the levee that needs to be trimmed looking upstream. Fall 2015.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	2.80	Rating **	M	Issue No.	6
LM End	2.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.837300 °	38.837300 °
				-121.731775 °	-121.731775 °
DWR ID	DWR_NA0016_01_f_2012_6				
Comment Code					
V6 : Landscaping					
Inspector Comment					
River Garden Farms					

Photo 1 of 1 : SP_2016_NA0016_435_6_20160304_00006.jpg



View of the landscaping along the landward slope at River Gardens Farms looking upstream. Fall 2015.

LM Start	3.03	Rating **	M	Issue No.	151
LM End	13.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.840414 °	38.892870 °
				-121.730578 °	-121.808847 °
DWR ID	DWR_NA0016_01_s_2016_151				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	3.14	Rating **	A/W	Issue No.	86
LM End	3.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.841283 °	38.841283 °
				-121.728827 °	-121.728827 °
DWR ID	DWR_NA0016_01_s _ 2014_86				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_86_20160304_00040.jpg



Monitor trees that pose a future threat to the integrity of the levee.
Spring 2014

LM Start	3.56	Rating **	M	Issue No.	8
LM End	3.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.846785 °	38.850758 °
				-121.729995 °	-121.725263 °
DWR ID	DWR_NA0016_01_s _ 2012_8				
Comment Code					
DT : Ditch					
Inspector Comment					
Concrete lined ditch runs along the levee toe.					

Photo 1 of 1 : SP_2016_NA0016_435_8_20160321_00204.jpg



View of the ditch on the landward side of the levee looking upstream.
Spring 2016.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	3.76	Rating **	C	Issue No.	106
LM End	3.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.849210 °	38.849210 °
				-121.728054 °	-121.728054 °
DWR ID	DWR_NA0016_01_f_2015_106				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	4.00	Rating **	U	Issue No.	153
LM End	4.15	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.851382 °	38.851991 °
				-121.724708 °	-121.727000 °
DWR ID	DWR_NA0016_01_s_2016_153				
Comment Code					
Inspector Comment					
Seepage area has been staked and noted by LMA. Monitor seepage site.					

Photo 1 of 2 : SP_2016_NA0016_435_153_20160321_00205.jpg



View of the seepage on the landward side of the levee looking upstream. Spring 2016.

LM Start	4.00	Rating **	U	Issue No.	153 (cont)
LM End	4.15	Issue Type +	Ob	Location *	LS

Photo 2 of 2 : SP_2016_NA0016_435_153_20160321_00206.jpg



LMA has staked seepage area and are monitoring the situation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	4.59	Rating **	M	Issue No.	1551
LM End	4.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.856995 °	38.856995 °
				-121.730938 °	-121.730938 °
DWR ID	DWR_NA0016_01_f_2013_1551				
Comment Code					
DE : Debris					
Inspector Comment					
Previous pile has been burned but a new pile has started at the same spot.					

LM Start	4.59	Rating **	M	Issue No.	1551 (cont)
LM End	4.59	Issue Type +	En	Location *	LS

Photo 1 of 2 : SP_2016_NA0016_435_1551_20160304_00085.jpg



View of the ongoing debris pile at the landward levee toe. Fall 2015.

Photo 2 of 2 : SP_2016_NA0016_435_1551_20160321_00207.jpg



View of the debris pile on landward levee toe. Spring 2016.

LM Start	4.67	Rating **	M	Issue No.	112
LM End	4.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.858156 °	38.858156 °
				-121.731422 °	-121.731422 °
DWR ID	DWR_NA0016_01_f_2015_112				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_112_20160304_00057.jpg



View of the tree branches on the waterward side of the levee looking upstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	4.80	Rating **	M	Issue No.	9
LM End	4.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.859446 °	38.859446 °
				-121.732774 °	-121.732774 °
DWR ID	DWR_NA0016_01_s _ 2012_9				
Comment Code					
FE : Fence					
Inspector Comment					
chain link fence runs along levee					

Photo 1 of 1 : SP_2016_NA0016_435_9_20160304_00009.jpg



View of the chain link fence along the landward levee toe looking upstream. The fence does not obstruct the view. Fall 2015.

LM Start	4.99	Rating **	U	Issue No.	111
LM End	5.09	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.859909 °	38.860409 °
				-121.736119 °	-121.738001 °
DWR ID	DWR_NA0016_01_s _ 2016_111				
Comment Code					
Inspector Comment					
Seepage area has been staked and noted by LMA. Monitor seepage site.					

Photo 1 of 2 : SP_2016_NA0016_435_111_20160321_00208.jpg



Stake stating what date the seepage was last monitored. Spring 2016.

LM Start	4.99	Rating **	U	Issue No.	111 (cont)
LM End	5.09	Issue Type +	Ob	Location *	LS

Photo 2 of 2 : SP_2016_NA0016_435_111_20160321_00209.jpg



View of the seepage on the landward side of the levee looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	6.12	Rating **	U	Issue No.	152
LM End	6.12	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.870503 °	38.870503 °
				-121.750068 °	-121.750068 °
DWR ID	DWR_NA0016_01_s_2016_152				
Comment Code					
Inspector Comment					
Seepage area has been staked and noted by LMA. Monitor seepage site.					

Photo 1 of 3 : SP_2016_NA0016_435_152_20160321_00210.jpg



View of the seepage on the landward side of the levee looking upstream. Spring 2016.

LM Start	6.12	Rating **	U	Issue No.	152 (cont)
LM End	6.12	Issue Type +	Ob	Location *	LS

Photo 2 of 3 : SP_2016_NA0016_435_152_20160321_00212.jpg



View of the seepage on the landward side of the levee looking downstream. Spring 2016.

LM Start	6.12	Rating **	U	Issue No.	152 (cont)
LM End	6.12	Issue Type +	Ob	Location *	LS

Photo 3 of 3 : SP_2016_NA0016_435_152_20160321_00211.jpg



LMA monitoring stake for the seepage. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	6.31	Rating **	M	Issue No.	154
LM End	6.31	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.869088 °	38.869088 °
				-121.753220 °	-121.753220 °
DWR ID	DWR_NA0016_01_s _ 2016_154				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_154_20160321_00213.jpg



View of the rut on the crown of the levee looking upstream. Spring 2016.

LM Start	6.38	Rating **	M	Issue No.	155
LM End	7.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.868590 °	38.860888 °
				-121.754356 °	-121.758946 °
DWR ID	DWR_NA0016_01_s _ 2016_155				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	6.50	Rating **	C	Issue No.	113
LM End	6.50	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.868129 °	38.868129 °
				-121.756462 °	-121.756462 °
DWR ID	DWR_NA0016_01_f _ 2015_113				
Comment Code					
PI : Pipe					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	6.50	Rating **	U	Issue No.	156
LM End	6.62	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.868127°	38.867530°
				-121.756499°	-121.758427°
DWR ID	DWR_NA0016_01_s _ 2016_156				
Comment Code					
Inspector Comment					
Seepage area has been staked and noted by LMA. Monitor seepage site.					

Photo 1 of 2 : SP_2016_NA0016_435_156_20160321_00214.jpg



View of the seepage on the landward side of the levee looking downstream. Spring 2016.

LM Start	6.50	Rating **	U	Issue No.	156 (cont)
LM End	6.62	Issue Type +	Ob	Location *	LS

Photo 2 of 2 : SP_2016_NA0016_435_156_20160321_00215.jpg



Stake marks the seepage site on the levee prism and is placed on the landward shoulder. Spring 2016.

LM Start	6.55	Rating **	C	Issue No.	91
LM End	6.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.868056°	38.868056°
				-121.757267°	-121.757267°
DWR ID	DWR_NA0016_01_s _ 2015_91				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	6.82	Rating **	M	Issue No.	1581
LM End	6.82	Issue Type +	En	Location *	WS
Category	Supplemental	GPS Latitude/Longitude			
		Start		End	
Item	DWR UCIP Field Study	38.864862 °		38.864862 °	
		-121.757516 °		-121.757516 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10129 DS_ID:20228 EP_NO: 1297 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leak at flowmeter on WS berm may become problem in near future. FIELD_STRUCT_DESC: *REMOVED*2 of 2: 16-inch steel pipe through levee 5.2 feet below crown. Slant pumps in metal pump house on the waterward bank, supported on steel structure. Pipes discharge into 9.5'x12' concrete distribution box on the landward side. Sparline flow meter on pipes near the waterward toe. (Permit No. 1297, 1948). Also included in the 1960 O&M manual. Removed under permit No. 8501, 2012. FS Date: 3/12/2013					

LM Start	6.82	Rating **	M	Issue No.	1581 (cont)
LM End	6.82	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_10129_17291.jpg



Minor leak at flowmeter on WS berm.

Photo 2 of 2 : UCIP_SP_2016_10129_17290.jpg



Pumphouse and steps on WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	6.82	Rating **	M	Issue No.	1589
LM End	6.82	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.864873 °	38.864873 °
				-121.757521 °	-121.757521 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:46765
DS_ID:25125
EP_NO: 8501
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: field inspection of the site revealed a few minor actions: 1. there are metal fence posts located near the pipe that should be cleared out for safety, 2. vegetation around the pipes should be cleared as it limits inspection, 3. some burrowing activity was noticed nearby the pipes.
FIELD_STRUCT_DESC: A 20 inch steel pipe and a 16 inch steel pipe are located at levee mile 6.889 and 6.89, respectively. Both pipes have a protective paint coating. The pipes are used to supply irrigation water to the adjacent fields. On the water side of the levee, the pipes are above ground and follow the slope of the bank into the river. A metal pumphouse, supported on a steel frame is located on a bench on the waterside of the levee. When the pumps are operational a drum fish screen is lowered over the pipe intakes on a track. Both irrigation pipes travel through the levee and have siphon breakers in CMP risers on the land side crest of the levee. The pipes discharge under submerged conditions to a 9.5 ft x 12 ft concrete distribution box. There are two gated outlets on the distribution box that lead to distribution canals. FS Date: 10/9/2015 9:00:32 AM

LM Start	6.82	Rating **	M	Issue No.	1589 (cont)
LM End	6.82	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_46765_74700.jpg



view from levee crest along pipe profile on water side of levee. pipe daylight from levee and pumphouse.

Photo 2 of 2 : UCIP_SP_2016_46765_74701.jpg



view from levee crest along pipe profile toward land side of levee. CMP risers with siphon breakers and distribution box near land side levee toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	6.82	Rating **	M	Issue No.	1590
LM End	6.82	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.864844 °	38.864844 °
				-121.757540 °	-121.757540 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:46766
DS_ID:25126
EP_NO: 8501
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: a few actions are recommended based on field inspection: 1. clear out metal fence posts near daylight of pipe on water side levee. 2. clear vegetation around pipes on water side of levee to aid in inspection. 3. monitor burrowing activities on water side of levee. FIELD_STRUCT_DESC: A 20 inch steel pipe and a 16 inch steel pipe are located at levee mile 6.889 and 6.89, respectively. Both pipes have a protective paint coating. The pipes are used to supply irrigation water to the adjacent fields. On the water side of the levee, the pipes are above ground and follow the slope of the bank into the river. A metal pumphouse, supported on a steel frame is located on a bench on the waterside of the levee. When the pumps are operational a drum fish screen is lowered over the pipe intakes on a track. Both irrigation pipes travel through the levee and have siphon breakers in CMP risers on the land side crest of the levee. The pipes discharge under submerged conditions to a 9.5 ft x 12 ft concrete distribution box. There are two gated outlets on the distribution box that lead to distribution canals. FS Date: 10/9/2015

LM Start	6.82	Rating **	M	Issue No.	1590 (cont)
LM End	6.82	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_46766_74705.jpg



view from levee crest along pipe looking towards water side. shows pipe daylight and pump house

Photo 2 of 2 : UCIP_SP_2016_46766_74706.jpg



view from levee crest along pipe looking towards land side. shows siphon breaker standpipes and distribution box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	6.87	Rating **	M	Issue No.	157							
LM End	6.87	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		38.864225 °	38.864225 °								
			-121.757024 °	-121.757024 °								
DWR ID	DWR_NA0016_01_s _ 2016_157											
Comment Code												
TR : Tree or limb												
Inspector Comment												

Photo 1 of 1 : SP_2016_NA0016_435_157_20160321_00216.jpg



View of the tree on the waterward side of the levee looking upstream.
Spring 2016.

LM Start	7.26	Rating **	M	Issue No.	158							
LM End	7.26	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		38.861243 °	38.861243 °								
			-121.760243 °	-121.760243 °								
DWR ID	DWR_NA0016_01_s _ 2016_158											
Comment Code												
TR : Tree or limb												
Inspector Comment												

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	7.57	Rating **	A/W	Issue No.	114
LM End	7.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.863323 °	38.863323 °
				-121.765177 °	-121.765177 °
DWR ID	DWR_NA0016_01_f_2015_114				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_114_20160304_00060.jpg



View of the dying tree on the waterward side of the levee looking upstream. Fall 2015.

LM Start	7.73	Rating **	M	Issue No.	115
LM End	7.73	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.861982 °	38.861982 °
				-121.767576 °	-121.767576 °
DWR ID	DWR_NA0016_01_f_2015_115				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_115_20160321_00217.jpg



View of the depression caused by vehicles on the crown of the levee looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	7.80	Rating **	N	Issue No.	116
LM End	8.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.861357 °	38.856379 °
				-121.768641 °	-121.781943 °
DWR ID	DWR_NA0016_01_f_2015_116				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_116_20160304_00062.jpg



View of the tree stumps along the landward levee toe looking upstream. Fall 2015.

LM Start	7.86	Rating **	M	Issue No.	1583
LM End	7.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.861018 °	38.861018 °
				-121.769651 °	-121.769651 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10144 DS_ID:20428 EP_NO: 18206 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flap gates rusted through at concrete distribution box on LS toe. FIELD_STRUCT_DESC: 1 of 2: 20-inch steel pipe through levee 4.7 feet below crown (Permit No. 18206, 2007). Two slant pumps in pump house on the waterward berm. Siphon breakers in corrugated metal riser units on the shoulder. Flap gate on both pipes in concrete distribution box on the landward side. Wooden steps on both slopes. Replaced 20-inch pipe installed under Permit No. 9377. FS Date: 3/13/2013					

Photo 1 of 2 : UCIP_SP_2016_10144_17307.jpg



Stairs, distribution box, and air vent in CMP riser on LS.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	7.86	Rating **	M	Issue No.	1583 (cont)
LM End	7.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.861018 °	38.861018 °
				-121.769651 °	-121.769651 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10144 DS_ID:20428 EP_NO: 18206 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flap gates rusted through at concrete distribution box on LS toe. FIELD_STRUCT_DESC: 1 of 2: 20-inch steel pipe through levee 4.7 feet below crown (Permit No. 18206, 2007). Two slant pumps in pump house on the waterward berm. Siphon breakers in corrugated metal riser units on the shoulder. Flap gate on both pipes in concrete distribution box on the landward side. Wooden steps on both slopes. Replaced 20-inch pipe installed under Permit No. 9377. FS Date: 3/13/2013					

Photo 2 of 2 : UCIP_SP_2016_10144_17306.jpg



Stairs and pump on WS.

LM Start	7.86	Rating **	M	Issue No.	1582
LM End	7.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.861017 °	38.861017 °
				-121.769658 °	-121.769658 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10143 DS_ID:20427 EP_NO: 18206 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flap gates rusted through at LS distribution box. FIELD_STRUCT_DESC: 2 of 2: 16-inch steel pipe through levee 4.7 feet below crown (Permit No. 18206, 2007). Two slant pumps in pump house on the waterward berm. Siphon breakers in corrugated metal riser units on the shoulder. Flap gate on both pipes in concrete distribution box on the landward side. Wooden steps on both slopes. Replaced 16-inch pipe installed under Permit No. 9377. FS Date: 3/13/2013					

Photo 1 of 2 : UCIP_SP_2016_10143_17302.jpg



Steps, air vent in riser, and distribution box on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	8.99	Rating **	M	Issue No.	159
LM End	9.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.857878 °	38.862365 °
				-121.785444 °	-121.791411 °
DWR ID	DWR_NA0016_01_s _ 2016_159				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	9.16	Rating **	M	Issue No.	92
LM End	9.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.860284 °	38.860284 °
				-121.784788 °	-121.784788 °
DWR ID	DWR_NA0016_01_s _ 2015_92				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	9.21	Rating **	U	Issue No.	1584
LM End	9.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.860993 °	38.860993 °
				-121.784840 °	-121.784840 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10150 DS_ID:20231 EP_NO: 1641 Repair Type: Urgent Crossing Status: Found UCIP Comments: Meter removed from pipe on WS and pipe open. Appears abandoned. Pipe should be abandoned properly. FIELD_STRUCT_DESC: 14-inch steel pipe through levee 5.2 feet below crown. Pump on concrete pump platform on the bank. Siphon breaker on the landward slope. Sparling flow meter on pipe on the waterward slope. 42 inch concrete standpipe in concrete distribution box at the landward toe. (Permit No. 1641, 1959). Included in the 1960 O&M Manual. FS Date: 3/13/2013					

LM Start	9.21	Rating **	U	Issue No.	1584 (cont)
LM End	9.21	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_10150_17328.jpg



Concrete riser on LS toe.

Photo 2 of 2 : UCIP_SP_2016_10150_17327.jpg



Pump platform on WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	9.67	Rating **	M	Issue No.	160
LM End	9.67	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.862279 °	38.862279 °
				-121.791088 °	-121.791088 °
DWR ID	DWR_NA0016_01_s_2016_160				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_160_20160321_00218.jpg



View of the pruning pile on the landward side of the levee looking upstream. Spring 2016.

LM Start	9.68	Rating **	A/W	Issue No.	29
LM End	9.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.862345 °	38.862848 °
				-121.791337 °	-121.793267 °
DWR ID	DWR_NA0016_01_s_2012_29				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0016_435_29_20160321_00220.jpg



View of the revegetation site on the waterward side of the levee looking upstream. Spring 2016.

LM Start	9.68	Rating **	A/W	Issue No.	29 (cont)
LM End	9.79	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0016_435_29_20160321_00219.jpg



Revegetation site sign. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	9.90	Rating **	M	Issue No.	93
LM End	9.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.864057 °	38.864057 °
				-121.794176 °	-121.794176 °
DWR ID	DWR_NA0016_01_s_2015_93				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	9.95	Rating **	U	Issue No.	161
LM End	10.04	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.864759 °	38.865583 °
				-121.794563 °	-121.795685 °
DWR ID	DWR_NA0016_01_s_2016_161				
Comment Code					
Inspector Comment					
Seepage area has been staked and noted by LMA. Monitor seepage site.					

Photo 1 of 2 : SP_2016_NA0016_435_161_20160321_00222.jpg



View of the seepage on the landward side of the levee looking upstream. Spring 2016.

LM Start	9.95	Rating **	U	Issue No.	161 (cont)
LM End	10.04	Issue Type +	Ob	Location *	LS

Photo 2 of 2 : SP_2016_NA0016_435_161_20160321_00221.jpg



Stake shows LMA is monitoring the seepage. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	9.98	Rating **	M	Issue No.	162
LM End	12.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.865157 °	38.890462 °
				-121.794865 °	-121.812563 °
DWR ID	DWR_NA0016_01_s _ 2016_162				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	10.69	Rating **	U	Issue No.	163
LM End	10.91	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.866965 °	38.869808 °
				-121.803600 °	-121.804722 °
DWR ID	DWR_NA0016_01_s _ 2016_163				
Comment Code					
Inspector Comment					
Seepage area has been staked and noted by LMA. Monitor seepage site.					

Photo 1 of 2 : SP_2016_NA0016_435_163_20160321_00225.jpg



View of the seepage on the landward side of the levee looking upstream. Spring 2016.

LM Start	10.69	Rating **	U	Issue No.	163 (cont)
LM End	10.91	Issue Type +	Ob	Location *	LS

Photo 2 of 2 : SP_2016_NA0016_435_163_20160321_00223.jpg



Stake is planted on the shoulder of the levee on the landward side. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	11.50	Rating **	M	Issue No.	7
LM End	11.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.874854 °	38.875109 °
				-121.813018 °	-121.813592 °
DWR ID	DWR_NA0016_01_s_2016_7				
Comment Code					
Inspector Comment					
1997 - Toe damage and loss of cobble revetment and small patch of local damage to the cobble revetment. 2000 - Cohesive vertical toe; revegetation site. 2015: No observed changes. [2015 Site ID: SAC_101-3_R]					

Photo 1 of 1 : SP_2016_NA0016_435_7_20160304_00007.jpg



USACE 2013 Photo #1

LM Start	11.71	Rating **	U	Issue No.	966
LM End	11.71	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.876865 °	38.876865 °
				-121.816095 °	-121.816095 °
DWR ID	DWR_NA0016_01_s_2012_966				
Comment Code					
CR : Crops					
Inspector Comment					
New walnut orchard between toe and river with approximately 80-90 trees.					

Photo 1 of 1 : SP_2016_NA0016_435_966_20160304_00081.jpg



View of the walnut orchard planted on the waterward side of the levee looking upstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	12.28	Rating **	M	Issue No.	164
LM End	12.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.884466 °	38.884466 °
				-121.817178 °	-121.817178 °
DWR ID	DWR_NA0016_01_s _ 2016_164				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
LMA is monitoring erosion site with stakes.					

Photo 1 of 2 : SP_2016_NA0016_435_164_20160321_00229.jpg



View of the erosion staked by the LMA on the waterward side of the levee looking upstream. Spring 2016.

LM Start	12.28	Rating **	M	Issue No.	164 (cont)
LM End	12.28	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2016_NA0016_435_164_20160321_00227.jpg



Stake marking the erosion site. Spring 2016.

LM Start	12.39	Rating **	C	Issue No.	120
LM End	12.39	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.885985 °	38.885985 °
				-121.816345 °	-121.816345 °
DWR ID	DWR_NA0016_01_f _ 2015_120				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	12.68	Rating **	C	Issue No.	121
LM End	12.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.889644 °	38.889644 °
				-121.813717 °	-121.813717 °
DWR ID	DWR_NA0016_01_f_2015_121				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	13.33	Rating **	M	Issue No.	165
LM End	13.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.896087 °	38.901614 °
				-121.805131 °	-121.804878 °
DWR ID	DWR_NA0016_01_s_2016_165				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	13.39	Rating **	M	Issue No.	166
LM End	13.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.896833 °	38.896833 °
				-121.804512 °	-121.804512 °
DWR ID	DWR_NA0016_01_s_2016_166				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Runoff erosion is being monitored. Erosion is about 8 inches deep, 16 inches wide and 3 feet in length.					

Photo 1 of 2 : SP_2016_NA0016_435_166_20160322_00231.jpg



View of the erosion on the landward shoulder of the levee looking upstream. Spring 2016.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	13.39	Rating **	M	Issue No.	166 (cont)	
LM End	13.39	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.896833 °	38.896833 °	
				-121.804512 °	-121.804512 °	
DWR ID	DWR_NA0016_01_s_2016_166					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Runoff erosion is being monitored. Erosion is about 8 inches deep, 16 inches wide and 3 feet in length.						

Photo 2 of 2 : SP_2016_NA0016_435_166_20160322_00234.jpg



Erosion is caused by runoffs. Spring 2016.

LM Start	13.53	Rating **	C	Issue No.	123
LM End	13.53	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.898709 °	38.898709 °
				-121.803780 °	-121.803780 °
DWR ID	DWR_NA0016_01_f_2015_123				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

LM Start	13.64	Rating **	C	Issue No.	124
LM End	13.64	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.900238 °	38.900238 °
				-121.804446 °	-121.804446 °
DWR ID	DWR_NA0016_01_f_2015_124				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	13.98	Rating **	U	Issue No.	167
LM End	13.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.904886 °	38.904886 °
				-121.806490 °	-121.806490 °
DWR ID	DWR_NA0016_01_s _ 2016_167				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Foxhole is close to the levee toe.					

Photo 1 of 2 : SP_2016_NA0016_435_167_20160322_00237.jpg



Perspective view of the fox hole on the landward side of the levee looking upstream. Spring 2016.

LM Start	13.98	Rating **	U	Issue No.	167 (cont)
LM End	13.98	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2016_NA0016_435_167_20160322_00235.jpg



Fox hole is close to the toe of the levee. Spring 2016.

LM Start	14.38	Rating **	M	Issue No.	168
LM End	14.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.908240 °	38.914177 °
				-121.812021 °	-121.817348 °
DWR ID	DWR_NA0016_01_s _ 2016_168				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	14.38	Rating **	M	Issue No.	169
LM End	14.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.908303 °	38.914227 °
				-121.812102 °	-121.817330 °
DWR ID	DWR_NA0016_01_s _ 2016_169				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	14.66	Rating **	M	Issue No.	170
LM End	14.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.910751 °	38.910751 °
				-121.816017 °	-121.816017 °
DWR ID	DWR_NA0016_01_s _ 2016_170				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_170_20160322_00238.jpg



View of the fallen tree on the waterward side of the levee looking upstream. Spring 2016.

LM Start	15.21	Rating **	M	Issue No.	171
LM End	16.63	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.917098 °	38.927894 °
				-121.819605 °	-121.838363 °
DWR ID	DWR_NA0016_01_s _ 2016_171				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	16.22	Rating **	M	Issue No.	1562
LM End	16.22	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.923407 °	38.923407 °
				-121.834588 °	-121.834588 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10203 DS_ID:20432 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if this is a permitted crossing as it was not previously noted. Need to determine size and depth below the crown. FIELD_STRUCT_DESC: Gas line through levee at unknown depth below the crown. Marker on WS shoulder. FS Date: 3/13/2013					

Photo 1 of 2 : UCIP_SP_2016_10203_17399.jpg



Gasline marker on WS shoulder.

LM Start	16.22	Rating **	M	Issue No.	1562 (cont)
LM End	16.22	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_SP_2016_10203_17398.jpg



Gasline marker on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	16.63	Rating **	C	Issue No.	126
LM End	16.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.927940 °	38.927940 °
				-121.838359 °	-121.838359 °
DWR ID	DWR_NA0016_01_f_2015_126				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	17.14	Rating **	C	Issue No.	127
LM End	17.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.934561 °	38.934561 °
				-121.834473 °	-121.834473 °
DWR ID	DWR_NA0016_01_f_2015_127				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	17.59	Rating **	M	Issue No.	172
LM End	18.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.939825 °	38.944198 °
				-121.832037 °	-121.837602 °
DWR ID	DWR_NA0016_01_s_2016_172				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	17.94	Rating **	M	Issue No.	1554
LM End	17.94	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.942979 °	38.942979 °
				-121.837030 °	-121.837030 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:11323 DS_ID:22957 EP_NO: 18026 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Conduit needs to be located and signs installed where it crosses the levee crown. FIELD_STRUCT_DESC: Electric Conduit through the levee at unknown depth. Signage on LS shoulder. (Permit No. 18026, 2007) FS Date: 3/13/2013					

Photo 1 of 1 : UCIP_SP_2016_11323_18720.jpg



Sign on LS shoulder.

LM Start	18.20	Rating **	M	Issue No.	15
LM End	18.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.946674 °	38.950263 °
				-121.837528 °	-121.837768 °
DWR ID	DWR_NA0016_01_s_2012_15				
Comment Code					
DT : Ditch					
Inspector Comment					
Concrete lined ditch runs along the toe of the levee.					

Photo 1 of 1 : SP_2016_NA0016_435_15_20160322_00239.jpg

View of the ditch on the landward side of the levee looking upstream.
Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	18.25	Rating **	C	Issue No.	94
LM End	18.25	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.947323 °	38.947323 °
				-121.837406 °	-121.837406 °
DWR ID	DWR_NA0016_01_s _ 2015_94				
Comment Code					
FW : Firewood					
Inspector Comment					

No Photos

LM Start	18.54	Rating **	M	Issue No.	16
LM End	18.54	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.951400 °	38.951400 °
				-121.838255 °	-121.838255 °
DWR ID	DWR_NA0016_01_s _ 2012_16				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_16_20160322_00240.jpg



View of the rice mill on the crown of the levee looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	18.54	Rating **	M	Issue No.	18
LM End	18.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.951464 °	38.951464 °
				-121.838293 °	-121.838293 °
DWR ID	DWR_NA0016_01_s _ 2012_18				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_18_20160304_00018.jpg



Groundcover and trees with irrigation are planted on the levee slope. Fall 2011.

LM Start	18.66	Rating **	M	Issue No.	173
LM End	18.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.952765 °	38.953295 °
				-121.839661 °	-121.840241 °
DWR ID	DWR_NA0016_01_s _ 2016_173				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_173_20160322_00241.jpg



View of the landscaping on the landward side of the levee looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

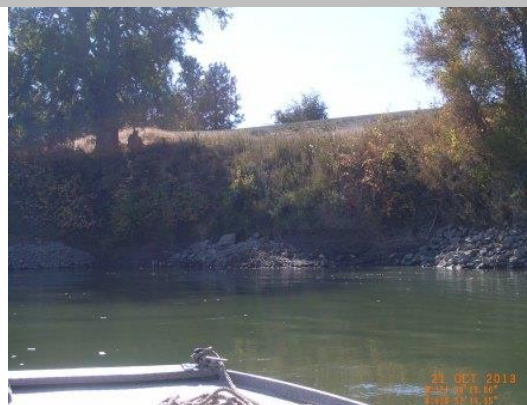
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	18.71	Rating **	M	Issue No.	128
LM End	18.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.953270 °	38.953270 °
				-121.840232 °	-121.840232 °
DWR ID	DWR_NA0016_01_f_2015_128				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	18.76	Rating **	M	Issue No.	10
LM End	18.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.954060 °	38.954312 °
				-121.840560 °	-121.840774 °
DWR ID	DWR_NA0016_01_s_2016_10				
Comment Code					
Inspector Comment					
2009 - Minor erosion, should be repaired under maintenance. 2011 - Some new minor erosion at the toe. 2015: No observed changes. [2015 Site ID: SAC_111-0_R]					

Photo 1 of 1 : SP_2016_NA0016_435_10_20160304_00010.jpg



USACE 2013 Photo #1

LM Start	18.78	Rating **	M	Issue No.	174
LM End	18.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.954123 °	38.956060 °
				-121.840995 °	-121.840306 °
DWR ID	DWR_NA0016_01_s_2016_174				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	18.83	Rating **	M	Issue No.	22
LM End	18.88	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.954756 °	38.955499 °
				-121.841432 °	-121.841271 °
DWR ID	DWR_NA0016_01_s _ 2012_22				
Comment Code					
DT : Ditch					
Inspector Comment					
concrete lined					

No Photos

LM Start	18.92	Rating **	M	Issue No.	175
LM End	19.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.955873 °	38.957192 °
				-121.840786 °	-121.837430 °
DWR ID	DWR_NA0016_01_s _ 2016_175				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	18.99	Rating **	M	Issue No.	23
LM End	18.99	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.956347 °	38.956347 °
				-121.839503 °	-121.839503 °
DWR ID	DWR_NA0016_01_s _ 2012_23				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_23_20160322_00242.jpg



View of the rice mill on the crown of the levee looking upstream. Spring 2016.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	19.10	Rating **	M	Issue No.	95
LM End	19.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.957021 °	38.957021 °
				-121.837812 °	-121.837812 °
DWR ID	DWR_NA0016_01_s_2015_95				
Comment Code					
GA : Garbage					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_95_20160322_00243.jpg



View of the debris pile on the landward side of the levee. Spring 2016.

LM Start	19.12	Rating **	M	Issue No.	26
LM End	19.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.957180 °	38.957180 °
				-121.837442 °	-121.837442 °
DWR ID	DWR_NA0016_01_s_2012_26				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_26_20160322_00244.jpg



View of the equipment on the crown of the levee looking upstream. Beehives have been removed. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	19.15	Rating **	M	Issue No.	31
LM End	19.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.957405 °	38.962648 °
				-121.836965 °	-121.834368 °
DWR ID	DWR_NA0016_01_s _ 2012_31				
Comment Code					
DT : Ditch					
Inspector Comment					
Concrete lined ditch up to LM 19.40. Soil ditch continues on until LM 19.61.					

Photo 1 of 2 : SP_2016_NA0016_435_31_20160323_00246.jpg



View of the ditch on the landward side of the levee looking upstream. Spring 2016.

LM Start	19.15	Rating **	M	Issue No.	31 (cont)
LM End	19.61	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2016_NA0016_435_31_20160323_00245.jpg



Concrete lined ditch stops at levee mile 19.40.

LM Start	19.37	Rating **	M	Issue No.	96
LM End	19.37	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.959642 °	38.959642 °
				-121.834004 °	-121.834004 °
DWR ID	DWR_NA0016_01_s _ 2015_96				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_96_20160304_00048.jpg



View of the building on the waterward side of the levee looking upstream. Spring 2015.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	20.07	Rating **	U	Issue No.	176
LM End	20.21	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.968952 °	38.970733 °
				-121.835239 °	-121.833896 °
DWR ID	DWR_NA0016_01_s _ 2016_176				
Comment Code					
Inspector Comment					
Seepage area has been staked and noted by LMA. Monitor seepage site.					

Photo 1 of 2 : SP_2016_NA0016_435_176_20160323_00247.jpg



View of the seepage on the landward side of the levee looking upstream. Spring 2016.

LM Start	20.07	Rating **	U	Issue No.	176 (cont)
LM End	20.21	Issue Type +	Ob	Location *	LS

Photo 2 of 2 : SP_2016_NA0016_435_176_20160323_00248.jpg



Monitoring stake for the seepage. Spring 2016.

LM Start	20.92	Rating **	M	Issue No.	32
LM End	22.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.974864 °	38.989476 °
				-121.822286 °	-121.816760 °
DWR ID	DWR_NA0016_01_s _ 2012_32				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	20.98	Rating **	M	Issue No.	177
LM End	20.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.975669 °	38.975669 °
				-121.821746 °	-121.821746 °
DWR ID	DWR_NA0016_01_s _ 2016_177				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_177_20160323_00249.jpg



View of the fallen tree on the waterward side of the levee looking upstream. Spring 2016.

LM Start	21.72	Rating **	M	Issue No.	178
LM End	21.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.986316 °	38.988034 °
				-121.821196 °	-121.820475 °
DWR ID	DWR_NA0016_01_s _ 2016_178				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	21.89	Rating **	M	Issue No.	179
LM End	21.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.988449 °	38.988449 °
				-121.820009 °	-121.820009 °
DWR ID	DWR_NA0016_01_s _ 2016_179				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_179_20160323_00250.jpg



View of the rodent hole on the landward side of the levee looking upstream. Spring 2016.

LM Start	22.12	Rating **	A/W	Issue No.	30
LM End	22.42	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.989528 °	38.989722 °
				-121.816020 °	-121.810488 °
DWR ID	DWR_NA0016_01_s _ 2012_30				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0016_435_30_20160304_00025.jpg



Revegetation site. Photo taken spring 2012.

LM Start	22.12	Rating **	A/W	Issue No.	30 (cont)
LM End	22.42	Issue Type +	Ob	Location *	WS

Photo 2 of 2 : SP_2016_NA0016_435_30_20160323_00251.jpg



View of the revegetation on the waterward berm of the levee looking upstream. Spring 2016.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	22.44	Rating **	M	Issue No.	181
LM End	23.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.989788 °	38.991729 °	
			-121.810170 °	-121.799786 °	
DWR ID	DWR_NA0016_01_s_2016_181				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	22.44	Rating **	M	Issue No.	180
LM End	23.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.989788 °	38.991729 °	
			-121.810169 °	-121.799786 °	
DWR ID	DWR_NA0016_01_s_2016_180				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	22.55	Rating **	C	Issue No.	129
LM End	22.55	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.990101 °	38.990101 °	
			-121.808116 °	-121.808116 °	
DWR ID	DWR_NA0016_01_f_2015_129				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	22.71	Rating **	M	Issue No.	1577
LM End	22.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989862 °	38.989862 °
				-121.805243 °	-121.805243 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:10266
DS_ID:20248
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe needs to be verified as having been properly abandoned.
FIELD_STRUCT_DESC: 24-inch pipe through levee 19.5 feet below crown. Abandoned concrete pumphouse on waterward toe. Originally included in the 1960 O&M manual.
FS Date: 3/14/2013

LM Start	22.71	Rating **	M	Issue No.	1577 (cont)
LM End	22.71	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_10266_17490.jpg



Concrete pumphouse on WS berm.

Photo 2 of 2 : UCIP_SP_2016_10266_17489.jpg



Concrete box on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	22.89	Rating **	M	Issue No.	130
LM End	22.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.990324 °	38.990324 °
				-121.801905 °	-121.801905 °
DWR ID	DWR_NA0016_01_f_2015_130				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	23.17	Rating **	C	Issue No.	97
LM End	23.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.993116 °	38.997595 °
				-121.798088 °	-121.798283 °
DWR ID	DWR_NA0016_01_s_2015_97				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

LM Start	23.26	Rating **	M	Issue No.	182
LM End	24.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.994064 °	39.003730 °
				-121.797011 °	-121.808323 °
DWR ID	DWR_NA0016_01_s_2016_182				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	23.26	Rating **	M	Issue No.	183
LM End	23.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.994064 °	38.996995 °
				-121.797010 °	-121.796795 °
DWR ID	DWR_NA0016_01_s _ 2016_183				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	23.55	Rating **	M	Issue No.	11
LM End	23.65	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.997696 °	38.998336 °
				-121.797584 °	-121.799298 °
DWR ID	DWR_NA0016_01_s _ 2016_11				
Comment Code					
Inspector Comment					
2008 - Slippage of cobbles off hard underlying toe material. 2011 - Minor slumping site. 2012 - Failing cobble site, site extended upstream. 2015: No observed changes. [2015 Site ID: SAC_115-9_R]					

Photo 1 of 1 : SP_2016_NA0016_435_11_20160304_00011.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	23.70	Rating **	M	Issue No.	1570
LM End	23.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998247 °	38.998247 °
				-121.800236 °	-121.800236 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10261 DS_ID:20249 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned. Pipe should be properly abandoned. FIELD_STRUCT_DESC: 1 of 4: 36-inch corrugated metal pipe through levee 20.0 feet below crown. One corrugated metal cutoff wall installed by United States Army Corp of Engineers, 1955. Slide gate in 36-inch corrugated metal riser on the waterward slope. Pump on the waterward bank. Concrete standpipe at toe of the landward slope (ABO No. 9374, 1974). Originally included in the 1960 O&M manual. FS Date: 3/14/2013					

Photo 1 of 2 : UCIP_SP_2016_10261_17466.jpg



36-inch cmp riser on WS slope with slide gate.

LM Start	23.70	Rating **	M	Issue No.	1570 (cont)
LM End	23.70	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_10261_17465.jpg



Concrete distribution riser on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	24.54	Rating **	M	Issue No.	185
LM End	24.58	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.005160 °	39.005311 °
				-121.812720 °	-121.813332 °
DWR ID	DWR_NA0016_01_s _ 2016_185				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_185_20160323_00252.jpg



View of the crown of the levee looking upstream. Spring 2016.

LM Start	24.73	Rating **	M	Issue No.	1576
LM End	24.73	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.005097 °	39.005097 °
				-121.816116 °	-121.816116 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10265					
DS_ID:20251					
EP_NO: 9328					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned. Needs to be abandoned properly.					
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 20.0 feet below crown. Slide gate in 36-inch corrugated metal riser unit on the waterward slope. 7'X9' Distribution box at toe of the landward slope (ABO. No. 9328, 1960)					
FS Date: 3/14/2013					

Photo 1 of 2 : UCIP_SP_2016_10265_17486.jpg



Slide gate in 36-inch CMP riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	24.73	Rating **	M	Issue No.	1576 (cont)	
LM End	24.73	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.005097 °	39.005097 °	
				-121.816116 °	-121.816116 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:10265						
DS_ID:20251						
EP_NO: 9328						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Appears abandoned. Needs to be abandoned properly.						
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 20.0 feet below crown. Slide gate in 36-inch corrugated metal riser unit on the waterward slope. 7'X9' Distribution box at toe of the landward slope (ABO. No. 9328, 1960)						
FS Date: 3/14/2013						

Photo 2 of 2 : UCIP_SP_2016_10265_17485.jpg



7-foot by 9-foot distribution box at LS toe.

LM Start	24.78	Rating **	M	Issue No.	186
LM End	25.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.005128 °	39.013871 °
				-121.817140 °	-121.826698 °
DWR ID	DWR_NA0016_01_s_2016_186				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	24.93	Rating **	M	Issue No.	34
LM End	24.93	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.005802 °	39.005802 °
				-121.819654 °	-121.819654 °
DWR ID	DWR_NA0016_01_s _ 2016_34				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	25.02	Rating **	U	Issue No.	1587
LM End	25.02	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.006538 °	39.006538 °
				-121.821058 °	-121.821058 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42860 DS_ID:20339 EP_NO: 9330 Repair Type: Urgent Crossing Status: Found UCIP Comments: Possible sink hole over pipe alignment on WS berm at rivers edge. general condition of pipe and appurtances in disrepair. FIELD_STRUCT_DESC: 10-inch pipe through levee 12.3 feet below crown. 6-inch pipe discharges into 10-inch pipe on waterward end, portable pump and gate valve on waterward side. Power pole and anchor on waterward shoulder and toe (ABO No. 9330, 1960). Originally included in the 1960 O&M manual. FS Date: 3/14/2013					

Photo 1 of 2 : UCIP_SP_2016_42860_17493.jpg



Pipe located at base of tree off LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	25.02	Rating **	U	Issue No.	1587 (cont)
LM End	25.02	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.006538 °	39.006538 °
				-121.821058 °	-121.821058 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42860 DS_ID:20339 EP_NO: 9330 Repair Type: Urgent Crossing Status: Found UCIP Comments: Possible sink hole over pipe alignment on WS berm at rivers edge. general condition of pipe and appurtances in disrepair. FIELD_STRUCT_DESC: 10-inch pipe through levee 12.3 feet below crown. 6-inch pipe discharges into 10-inch pipe on waterward end, portable pump and gate valve on waterward side. Power pole and anchor on waterward shoulder and toe (ABO No. 9330, 1960). Originally included in the 1960 O&M manual. FS Date: 3/14/2013					

Photo 2 of 2 : UCIP_SP_2016_42860_17492.jpg



6-inch pipe at LS toe.

LM Start	25.70	Rating **	U	Issue No.	188
LM End	25.73	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			39.013914 °	39.014355 °
				-121.826661 °	-121.826329 °
DWR ID	DWR_NA0016_01_s_2016_188				
Comment Code					
Inspector Comment					
Seems to be seepage through the levee. Appears that no sloughing has occurred. Recommend monitoring this site.					

Photo 1 of 1 : SP_2016_NA0016_435_188_20160323_00253.jpg



View of the seepage on the landward side of the levee looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	25.75	Rating **	M	Issue No.	12
LM End	25.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.014499 °	39.016401 °
				-121.825880 °	-121.824230 °
DWR ID	DWR_NA0016_01_s _ 2016_12				
Comment Code					
Inspector Comment					
2008 - Whole bank is eroding, nearly vertical slope with cohesive toe. Bed is very deep along the toe (greater than 30 ft deep at 20 ft from the shore). 2011 - Some new minor erosion. 2015: No observed changes. [2015 Site ID: SAC_118-0_R]					

Photo 1 of 1 : SP_2016_NA0016_435_12_20160304_00012.jpg



USACE 2013 Photo #1

LM Start	25.87	Rating **	M	Issue No.	187
LM End	27.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.016058 °	39.034211 °
				-121.825002 °	-121.833325 °
DWR ID	DWR_NA0016_01_s _ 2016_187				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	26.46	Rating **	M	Issue No.	1555
LM End	26.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.023842 °	39.023842 °
				-121.823077 °	-121.823077 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10285					
DS_ID:20253					
EP_NO: 9136					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears to be abandoned. Pipe needs to be abandoned properly.					
FIELD_STRUCT_DESC: 18-inch steel pipe through levee 3.0 feet below crown. Steel cutoff wall at centerline. Air release valve on the waterward shoulder (Permit No. 9136, 1974). Slide gate in 72-inch diameter CMP riser on LS toe.					
FS Date: 3/14/2013					

LM Start	26.46	Rating **	M	Issue No.	1555 (cont)
LM End	26.46	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_10285_17532.jpg



72-inch CMP riser on LS toe under JP next to tree.

Photo 2 of 2 : UCIP_SP_2016_10285_17531.jpg



Air release valve on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	26.65	Rating **	M	Issue No.	189
LM End	27.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.026618 °	39.034210 °
				-121.823625 °	-121.833325 °
DWR ID	DWR_NA0016_01_s _ 2016_189				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	27.46	Rating **	M	Issue No.	1557
LM End	27.46	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.033767 °	39.033767 °
				-121.833110 °	-121.833110 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10289 DS_ID:20256 EP_NO: 9368 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to abandon pipe properly. FIELD_STRUCT_DESC: 24-inch steel pipe through levee 16.2 feet below crown (ABO No. 9368, 1960) Pump on the waterward bank. Gate valve on the landward end. Concrete box at the landward toe of the slope. Irrigation well 6 feet from toe of landward slope. Originally included in the 1960 O&M manual with the description standpipe on waterward side. FS Date: 3/14/2013					

Photo 1 of 2 : UCIP_SP_2016_10289_17543.jpg



gate valve off landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	27.46	Rating **	M	Issue No.	1557 (cont)
LM End	27.46	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.033767 °	39.033767 °
				-121.833110 °	-121.833110 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10289 DS_ID:20256 EP_NO: 9368 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to abandon pipe properly. FIELD_STRUCT_DESC: 24-inch steel pipe through levee 16.2 feet below crown (ABO No. 9368, 1960) Pump on the waterward bank. Gate valve on the landward end. Concrete box at the landward toe of the slope. Irrigation well 6 feet from toe of landward slope. Originally included in the 1960 O&M manual with the description standpipe on waterward side. FS Date: 3/14/2013					

Photo 2 of 2 : UCIP_SP_2016_10289_17542.jpg



steel standpipe on WS toe.

LM Start	27.46	Rating **	M	Issue No.	1558
LM End	27.46	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.033814 °	39.033814 °
				-121.833158 °	-121.833158 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10290					
DS_ID:20416					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Appears this pipe is abandoned and visible on WS slope in pieces. Need to verify proper abandonment.					
FIELD_STRUCT_DESC: 24-inch pipe through levee 6.2 feet below crown. Originally included in the 1960 O&M manual. Pipe debris on WS slope.					
FS Date: 3/14/2013					

Photo 1 of 2 : UCIP_SP_2016_10290_17545.jpg



Pipe debris on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	27.46	Rating **	M	Issue No.	1558 (cont)
LM End	27.46	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.033814 °	39.033814 °
				-121.833158 °	-121.833158 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10290					
DS_ID:20416					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Appears this pipe is abandoned and visible on WS slope in pieces. Need to verify proper abandonment.					
FIELD_STRUCT_DESC: 24-inch pipe through levee 6.2 feet below crown. Originally included in the 1960 O&M manual. Pipe debris on WS slope.					
FS Date: 3/14/2013					

Photo 2 of 2 : UCIP_SP_2016_10290_17544.jpg



Pipe debris on WS slope.

LM Start	27.52	Rating **	M	Issue No.	190
LM End	27.52	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.034592 °	39.034592 °
				-121.833463 °	-121.833463 °
DWR ID	DWR_NA0016_01_s_2016_190				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Sinkhole on the crown of the waterward shoulder of the levee. Hole is about 15 inches wide and 8 inches deep.					

Photo 1 of 2 : SP_2016_NA0016_435_190_20160323_00254.jpg



View of the sink hole on the crown of the levee looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	27.52	Rating **	M	Issue No.	190 (cont)	
LM End	27.52	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			39.034592 °		39.034592 °
				-121.833463 °		-121.833463 °
DWR ID	DWR_NA0016_01_s _ 2016_190					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Sinkhole on the crown of the waterward shoulder of the levee. Hole is about 15 inches wide and 8 inches deep.						

Photo 2 of 2 : SP_2016_NA0016_435_190_20160323_00255.jpg



Monitoring stake is placed next to the fox hole on the shoulder of the levee. Spring 2016.

LM Start	27.54	Rating **	M	Issue No.	1559
LM End	27.54	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.034870 °	39.034870 °
				-121.833501 °	-121.833501 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10291					
DS_ID:20257					
EP_NO: 9355					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe needs to be properly abandoned.					
FIELD_STRUCT_DESC: 24-inch steel pipe through levee 14.0 feet below crown. Slide gate on the waterward end, gate valve on the landward end (ABO No. 9355, 1960). Originally included in the 1960 O&M manual.					
FS Date: 3/14/2013					

Photo 1 of 2 : UCIP_SP_2016_10291_17548.jpg



Gate valve buried on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	27.54	Rating **	M	Issue No.	1559 (cont)	
LM End	27.54	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.034870 °	39.034870 °	
				-121.833501 °	-121.833501 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:10291 DS_ID:20257 EP_NO: 9355 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe needs to be properly abandoned. FIELD_STRUCT_DESC: 24-inch steel pipe through levee 14.0 feet below crown. Slide gate on the waterward end, gate valve on the landward end (ABO No. 9355, 1960). Originally included in the 1960 O&M manual. FS Date: 3/14/2013						

Photo 2 of 2 : UCIP_SP_2016_10291_17547.jpg



Gate valve buried on LS toe.

LM Start	27.79	Rating **	C	Issue No.	131
LM End	27.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.038433 °	39.038433 °
				-121.832345 °	-121.832345 °
DWR ID	DWR_NA0016_01_f_2015_131				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	27.84	Rating **	M	Issue No.	191
LM End	28.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.039004 °	39.047452 °
				-121.832621 °	-121.840850 °
DWR ID	DWR_NA0016_01_s _ 2016_191				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	27.87	Rating **	M	Issue No.	192
LM End	28.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.039323 °	39.045479 °
				-121.833063 °	-121.840000 °
DWR ID	DWR_NA0016_01_s _ 2016_192				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	28.02	Rating **	M	Issue No.	59
LM End	28.02	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.040750 °	39.040750 °
				-121.835299 °	-121.835299 °
DWR ID	DWR_NA0016_01_s _ 2012_59				
Comment Code					
DE : Debris					
Inspector Comment					
piles of concrete					

Photo 1 of 1 : SP_2016_NA0016_435_59_20160323_00256.jpg



View of the pile of concrete on the waterward berm of the levee. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	28.05	Rating **	C	Issue No.	132
LM End	28.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.041013 °	39.041013 °
				-121.835747 °	-121.835747 °
DWR ID	DWR_NA0016_01_f_2015_132				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	28.59	Rating **	M	Issue No.	193
LM End	28.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.047452 °	39.047452 °
				-121.840851 °	-121.840851 °
DWR ID	DWR_NA0016_01_s_2016_193				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	28.61	Rating **	U	Issue No.	1588
LM End	28.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.047758 °	39.047758 °
				-121.840914 °	-121.840914 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41839 DS_ID:20319 EP_NO: 16632 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: No gasoline markers on either side of levee. FIELD_STRUCT_DESC: 4-inch natural gas pipeline through levee 62.0 feet below crown. Crosses channel (Permit No. 16632, 1999). Gas well visible 1500-feet west of levee. FS Date: 3/15/2013					

Photo 1 of 1 : UCIP_SP_2016_41839_17563.jpg



gas well 1500-feet west of this location.

LM Start	28.78	Rating **	U	Issue No.	1560
LM End	28.78	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.050186 °	39.050186 °
				-121.841553 °	-121.841553 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10324					
DS_ID:20311					
EP_NO: 12609					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Flap gate missing from waterward end of pipe.					
FIELD_STRUCT_DESC: 24-inch steel outfall pipe through levee 4.1					
feet below crown. Siphon breaker in 18-inch concrete riser on WS					
shoulder. Flap gate on discharge end of pipe 130 feet waterward of the					
centerline of the levee at elevation 41.5 feet, USED Datum, and the					
riverbank has rock protection at this location (Permit No. 12609, 1979).					
FS Date: 3/15/2013					

Photo 1 of 2 : UCIP_SP_2016_10324_17587.jpg



18-inch concrete riser on WS shoulder.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	28.78	Rating **	U	Issue No.	1560 (cont)	
LM End	28.78	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.050186 °	39.050186 °	
				-121.841553 °	-121.841553 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:10324						
DS_ID:20311						
EP_NO: 12609						
Repair Type: Urgent						
Crossing Status: Found						
UCIP Comments: Flap gate missing from waterward end of pipe.						
FIELD_STRUCT_DESC: 24-inch steel outfall pipe through levee 4.1						
feet below crown. Siphon breaker in 18-inch concrete riser on WS						
shoulder. Flap gate on discharge end of pipe 130 feet waterward of the						
centerline of the levee at elevation 41.5 feet, USED Datum, and the						
riverbank has rock protection at this location (Permit No. 12609, 1979).						
FS Date: 3/15/2013						

Photo 2 of 2 : UCIP_SP_2016_10324_17586.jpg



Pipe and flap gate at rivers edge

LM Start	28.87	Rating **	M	Issue No.	133
LM End	28.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.051571 °	39.051571 °
				-121.841871 °	-121.841871 °
DWR ID	DWR_NA0016_01_f_2015_133				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_133_20160304_00070.jpg



View of the depression caused by animal activity on the landward side of the levee looking upstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	29.04	Rating **	M	Issue No.	194
LM End	32.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.053975 °	39.069865 °	
			-121.841477 °	-121.879697 °	
DWR ID	DWR_NA0016_01_s _ 2016_194				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	29.38	Rating **	M	Issue No.	195
LM End	29.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.058783 °	39.058783 °	
			-121.840572 °	-121.840572 °	
DWR ID	DWR_NA0016_01_s _ 2016_195				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	29.56	Rating **	M	Issue No.	196
LM End	33.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.061378 °	39.077238 °	
			-121.839933 °	-121.894489 °	
DWR ID	DWR_NA0016_01_s _ 2016_196				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	29.58	Rating **	U	Issue No.	197
LM End	29.66	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			39.061709 °	39.062799 °
				-121.839838 °	-121.839564 °
DWR ID	DWR_NA0016_01_s _ 2016_197				
Comment Code					
Inspector Comment					
Seepage area has been staked and noted by LMA. Monitor seepage site.					

LM Start	29.58	Rating **	U	Issue No.	197 (cont)
LM End	29.66	Issue Type +	Ob	Location *	LS

Photo 1 of 2 : SP_2016_NA0016_435_197_20160323_00257.jpg



View of the seepage into the ditch on the landward side of the levee looking upstream. Spring 2016.

Photo 2 of 2 : SP_2016_NA0016_435_197_20160323_00259.jpg



Monitoring stake is on the waterward side of the levee. Spring 2016.

LM Start	29.69	Rating **	A/W	Issue No.	2
LM End	29.73	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.063209 °	39.063997 °
				-121.838927 °	-121.839335 °
DWR ID	DWR_NA0016_01_s _ 2016_2				
Comment Code					
Inspector Comment					
1997 - Mass failure of the lower cohesive bank and toe. 2000 - Still eroding, steeply dipping foresets in the toe are falling off. 2010 - Some new erosion and some new deposition. Eddy current off the upstream rock. 2011 - Still plenty of berm left. 2015: No observed changes. [2015 Site ID: SAC_122-0_R]					

Photo 1 of 1 : SP_2016_NA0016_435_2_20160304_00002.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

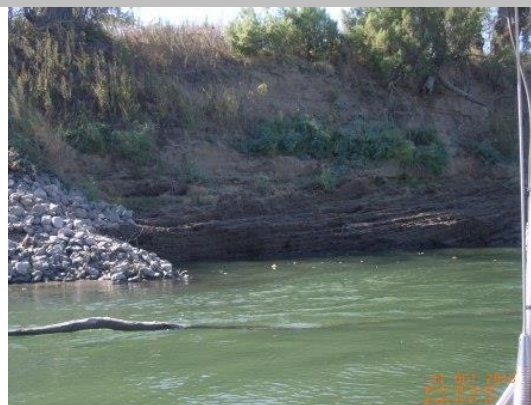
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	29.70	Rating **	M	Issue No.	198
LM End	29.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.063424 °	39.063424 °
				-121.839597 °	-121.839597 °
DWR ID	DWR_NA0016_01_s _ 2016_198				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	29.96	Rating **	M	Issue No.	13
LM End	30.00	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.065886 °	39.066287 °
				-121.842950 °	-121.843602 °
DWR ID	DWR_NA0016_01_s _ 2016_13				
Comment Code					
Inspector Comment					
2002 - Upstream end has recent slope failure and exposure of tree roots. 2003 - Some new minor slope erosion with new snags on the bank. 2004 - Appears a little worse. 2005 - Scallop in bank at the upstream end looks worse. 2009 - Minimal new erosion, Berm width is still large, but one large event or one fallen tree and it could go fast. 2010 - New erosion, bank is nearly all vertical from slumping. Site looks bad. 2011 - Site continues to look bad. 2012 - Minor new erosion. 2015: Undermining of toe rock. [2015 Site ID: SAC_122-3_R]					

Photo 1 of 1 : SP_2016_NA0016_435_13_20160304_00013.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	30.08	Rating **	M	Issue No.	1561
LM End	30.08	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.066749 °	39.066749 °
				-121.844987 °	-121.844987 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10325 DS_ID:20317 EP_NO: 14495 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe may need flap gate at water side. FIELD_STRUCT_DESC: 22-inch steel storm drain pipe through levee 3.8 feet below crown. Pipe extends from existing pumphouse located at the landward toe through the levee to the low water channel Siphon breaker in 24-inch CMP riser on LS shoulder. (Permit No. 14495, 1987). Replaced 12-inch and 16-inch pipes installed under Permit No. 9358. FS Date: 3/15/2013					

LM Start	30.08	Rating **	M	Issue No.	1561 (cont)
LM End	30.08	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_10325_17591.jpg



24-inch pipe at rivers edge

Photo 2 of 2 : UCIP_SP_2016_10325_17590.jpg



Siphon breaker in 24-inch cmp on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	30.15	Rating **	M	Issue No.	199	
LM End	30.15	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			39.067426 °		39.067426 °
				-121.845928 °		-121.845928 °
DWR ID	DWR_NA0016_01_s _ 2016_199					
Comment Code						
TR : Tree or limb						
Inspector Comment						

Photo 1 of 1 : SP_2016_NA0016_435_199_20160323_00260.jpg



View of the fallen tree on the waterward side of the levee looking upstream. Spring 2016.

LM Start	30.24	Rating **	U	Issue No.	201
LM End	30.24	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			39.068480 °	39.068480 °
				-121.847061 °	-121.847061 °
DWR ID	DWR_NA0016_01_s _ 2016_201				
Comment Code					
Inspector Comment					
Boil has clear water running through. Continue to monitor					

Photo 1 of 3 : SP_2016_NA0016_435_201_20160328_00265.jpg



Boil has clear water running through. Spring 2016.

LM Start	30.24	Rating **	U	Issue No.	201 (cont)
LM End	30.24	Issue Type +	Ob	Location *	LS

Photo 2 of 3 : SP_2016_NA0016_435_201_20160328_00266.jpg



Perspective view of the boil at the toe road on the landward side of the levee. Spring 2016.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	30.24	Rating **	U	Issue No.	201 (cont)	
LM End	30.24	Issue Type +	Ob	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Seepage / Sandboils			39.068480 °		39.068480 °
				-121.847061 °		-121.847061 °
DWR ID	DWR_NA0016_01_s _ 2016_201					
Comment Code						
Inspector Comment						
Boil has clear water running through. Continue to monitor						

Photo 3 of 3 : SP_2016_NA0016_435_201_20160328_00264.jpg



Monitoring stake was placed on 3/15/16. Spring 2016.

LM Start	30.25	Rating **	U	Issue No.	200
LM End	30.25	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			39.068542 °	39.068542 °
				-121.847131 °	-121.847131 °
DWR ID	DWR_NA0016_01_s _ 2016_200				
Comment Code					
Inspector Comment					
LMA has stakes on the levee monitoring seepage site.					

Photo 1 of 2 : SP_2016_NA0016_435_200_20160323_00261.jpg



View of the seepage on the landward side of the levee looking upstream. Spring 2016.

LM Start	30.25	Rating **	U	Issue No.	200 (cont)
LM End	30.25	Issue Type +	Ob	Location *	LS

Photo 2 of 2 : SP_2016_NA0016_435_200_20160323_00263.jpg



Stake is used to monitor seepage. Spring 2016.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	30.46	Rating **	A	Issue No.	202
LM End	30.46	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			39.070673 °	39.070673 °
				-121.849935 °	-121.849935 °
DWR ID	DWR_NA0016_01_s _ 2016_202				
Comment Code					
Inspector Comment					
Sandboil about 2 inches wide is spitting out material. LMA has sandbagged the boil.					

Photo 1 of 3 : SP_2016_NA0016_435_202_20160328_00267.jpg



View of the monitoring stake and boil at the toe of the levee on the landward side. Spring 2016.

LM Start	30.46	Rating **	A	Issue No.	202 (cont)
LM End	30.46	Issue Type +	Ob	Location *	LS

Photo 2 of 3 : SP_2016_NA0016_435_202_20160328_00268.jpg



Boil is about 2 inches wide. Spring 2016.

LM Start	30.46	Rating **	A	Issue No.	202 (cont)
LM End	30.46	Issue Type +	Ob	Location *	LS

Photo 3 of 3 : SP_2016_NA0016_435_202_20160328_00269.jpg



LMA has constructed sack ring around the boil and will continue to monitor it. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	30.86	Rating **	M	Issue No.	135
LM End	30.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.068482 °	39.068482 °
				-121.856639 °	-121.856639 °
DWR ID	DWR_NA0016_01_f_2015_135				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_135_20160304_00071.jpg



View of the rodent hole on the landward side of the levee looking upstream. Fall 2015.

LM Start	30.86	Rating **	M	Issue No.	203
LM End	30.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.068465 °	39.068465 °
				-121.856706 °	-121.856706 °
DWR ID	DWR_NA0016_01_s_2016_203				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	31.28	Rating **	M	Issue No.	99
LM End	31.28	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.066921 °	39.066921 °
				-121.864077 °	-121.864077 °
DWR ID	DWR_NA0016_01_s_2015_99				
Comment Code					
BU : Building					
Inspector Comment					
Temporary bee hives.					

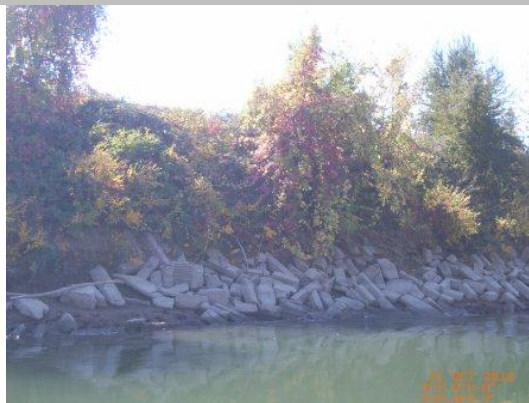
Photo 1 of 1 : SP_2016_NA0016_435_99_20160304_00051.jpg



View of the beehives on the shoulder of the waterward side of the levee looking upstream. Spring 2015.

LM Start	31.43	Rating **	M	Issue No.	17
LM End	31.45	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.067004 °	39.066901 °
				-121.866913 °	-121.867322 °
DWR ID	DWR_NA0016_01_s_2016_17				
Comment Code					
Inspector Comment					
1997 - Erosion into the levee section; old concrete rubble loss at toe; transition between the rock upstream and the cobble downstream. 2000 - Cohesive bench with concrete slabs on top; 25 ft deep scour hole on the downstream end. 2015: No observed changes. [2015 Site ID: SAC_123-7_R]					

Photo 1 of 1 : SP_2016_NA0016_435_17_20160304_00017.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	31.61	Rating **	M	Issue No.	1563
LM End	31.61	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.066163 °	39.066163 °
				-121.870198 °	-121.870198 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:11543 DS_ID:20262 EP_NO: 9338 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe leaking at intake pipe on rivers edge below pump FIELD_STRUCT_DESC: 24-inch steel pipe through levee 24.0 feet below crown (ABO No. 9338, 1960). Slide gate in abandoned concrete pump house on the waterward slope. Three slant pumps mounted on pile structure on the waterward bank. 30-inch concrete pipe under the highway on the landside. 48-inch steel riser on the landside of highway. Overhead high tower power line crosses the levee. Power line has been run underground to service box on waterward shoulder at L.M. 32.01. Ramps on both slopes. Originally included in the 1960 O&M manual. FS Date: 3/15/2013					

LM Start	31.61	Rating **	M	Issue No.	1563 (cont)
LM End	31.61	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_11543_18942.jpg



Concrete block house with slide gate inside.

Photo 2 of 2 : UCIP_SP_2016_11543_18941.jpg



Siphon breaker on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	31.63	Rating **	M	Issue No.	60
LM End	31.63	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.066147 °	39.066147 °
				-121.870425 °	-121.870425 °
DWR ID	DWR_NA0016_01_s _ 2012_60				
Comment Code					
BU : Building					
Inspector Comment					
Old concrete pumphouse on shoulder open needs to be sealed up.					

Photo 1 of 1 : SP_2016_NA0016_435_60_20160304_00034.jpg



Old concrete pump house on the waterside levee slope. Fall 2011.

LM Start	32.03	Rating **	M	Issue No.	41
LM End	32.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.069130 °	39.069130 °
				-121.876638 °	-121.876638 °
DWR ID	DWR_NA0016_01_s _ 2012_41				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	32.04	Rating **	M	Issue No.	42
LM End	32.17	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.069487 °	39.070063 °
				-121.876817 °	-121.879062 °
DWR ID	DWR_NA0016_01_s _ 2012_42				
Comment Code					
BU : Building					
Inspector Comment					
Grimes Boat Landing					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

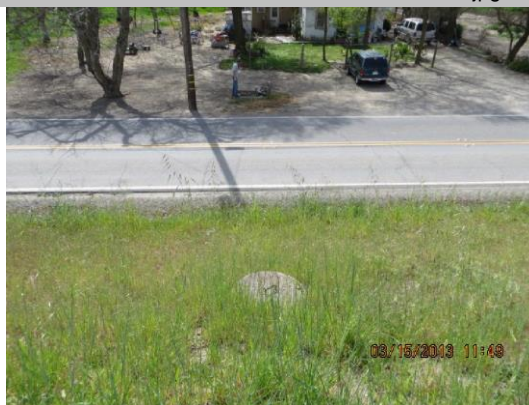
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	32.07	Rating **	C	Issue No.	136
LM End	32.07	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.069416 °	39.069416 °
				-121.877380 °	-121.877380 °
DWR ID	DWR_NA0016_01_f_2015_136				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	32.27	Rating **	M	Issue No.	1564
LM End	32.27	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.069857 °	39.069857 °
				-121.880923 °	-121.880923 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10364					
DS_ID:20304					
EP_NO: 9374					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to verify type of abandonment					
FIELD_STRUCT_DESC: 2 of 4: *Abandoned* 4-inch pipe through levee					
6.5 feet below crown. Gate valve on the waterward end. Siphon breaker					
in 24-inch corrugated metal riser unit on the landward slope. 4X4-					
concrete distribution box on south side of highway 45 at LS toe. (ABO					
No. 9374, 1960). Originally included in the 1960 O&M manual.					
FS Date: 3/15/2013					

Photo 1 of 2 : UCIP_SP_2016_10364_17645.jpg



Siphon Breaker in 25-inch CMP riser on LS slope with 4X4 concrete box off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	32.27	Rating **	M	Issue No.	1564 (cont)	
LM End	32.27	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.069857 °	39.069857 °	
				-121.880923 °	-121.880923 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:10364						
DS_ID:20304						
EP_NO: 9374						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to verify type of abandonment						
FIELD_STRUCT_DESC: 2 of 4: *Abandoned* 4-inch pipe through levee						
6.5 feet below crown. Gate valve on the waterward end. Siphon breaker						
in 24-inch corrugated metal riser unit on the landward slope. 4X4-						
concrete distribution box on south side of highway 45 at LS toe. (ABO						
No. 9374, 1960). Originally included in the 1960 O&M manual.						
FS Date: 3/15/2013						

Photo 2 of 2 : UCIP_SP_2016_10364_17644.jpg



4X4 concrete box off LS toe.

LM Start	32.89	Rating **	M	Issue No.	204
LM End	33.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.073233 °	39.077216 °
				-121.891234 °	-121.894479 °
DWR ID	DWR_NA0016_01_s_2016_204				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

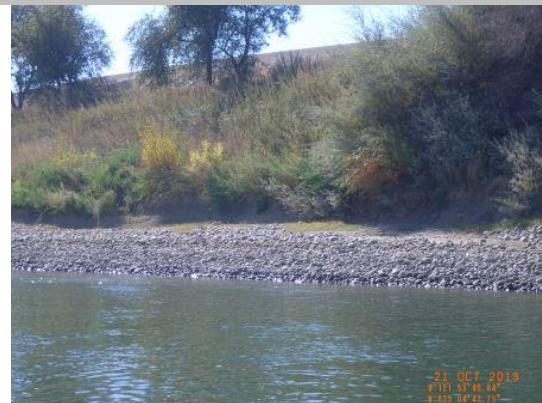
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	32.97	Rating **	M	Issue No.	43
LM End	32.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.074331 °	39.074331 °
				-121.891989 °	-121.891989 °
DWR ID	DWR_NA0016_01_s _ 2012_43				
Comment Code					
BU : Building					
Inspector Comment					
This is the town of Grimes.					

No Photos

LM Start	33.29	Rating **	M	Issue No.	5
LM End	33.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.078340 °	39.079351 °
				-121.894656 °	-121.895317 °
DWR ID	DWR_NA0016_01_s _ 2016_5				
Comment Code					
Inspector Comment					
2008 - Slow erosion of the hard toe. 2010 - Cobble rubble is failing, erosion is into the toe of the levee, with vertical slumping. 2012 - Site appears to be relatively stable. 2013 - New animal holes. 2015: No observed changes. [2015 Site ID: SAC_125-6_R]					

Photo 1 of 1 : SP_2016_NA0016_435_5_20160304_00005.jpg



USACE 2013 Photo #1

LM Start	33.38	Rating **	C	Issue No.	137
LM End	33.38	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.079417 °	39.079417 °
				-121.895685 °	-121.895685 °
DWR ID	DWR_NA0016_01_f _ 2015_137				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	33.78	Rating **	U	Issue No.	207
LM End	33.85	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			39.084393 °	39.085184 °
				-121.894522 °	-121.895354 °
DWR ID	DWR_NA0016_01_s _ 2016_207				
Comment Code					
Inspector Comment					
Seepage site is being monitored by the LMA.					

Photo 1 of 1 : SP_2016_NA0016_435_207_20160328_00270.jpg



View of the seepage on the landward side of the levee looking upstream.
Spring 2016.

LM Start	33.79	Rating **	M	Issue No.	205	
LM End	34.25	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			39.084513 °		39.090642 °
				-121.894627 °		-121.895601 °
DWR ID	DWR_NA0016_01_s _ 2016_205					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						

No Photos

LM Start	33.79	Rating **	M	Issue No.	206
LM End	34.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.084514 °	39.090642 °
				-121.894627 °	-121.895602 °
DWR ID	DWR_NA0016_01_s _ 2016_206				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	34.00	Rating **	M	Issue No.	1565
LM End	34.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.087072 °	39.087072 °
				-121.896464 °	-121.896464 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10403 DS_ID:20268 EP_NO: 9364A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe rusted through at concrete distribution box. May be indicator of pipe condition through levee. FIELD_STRUCT_DESC: 1 of 4: 16-inch steel pipe through levee 6.3 feet below crown (ABO No. 9364A, 1945). Pump in pump house on the waterward end. Siphon breaker in 36-inch steel riser unit on the landward slope. Discharges into 5X9 Concrete distribution box at LS toe. Installed by United States Army Corp of Engineers, 1945. Included in the 1960 O&M manual. FS Date: 3/18/2013					

LM Start	34.00	Rating **	M	Issue No.	1565 (cont)
LM End	34.00	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_10403_17662.jpg



Pump at WS berm.

Photo 2 of 2 : UCIP_SP_2016_10403_17661.jpg



siphon breaker in 36-inch steel riser on LS slope with concrete distribution box on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	34.01	Rating **	M	Issue No.	100
LM End	34.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.087176 °	39.088099 °
				-121.896480 °	-121.896498 °
DWR ID	DWR_NA0016_01_s _ 2015_100				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_100_20160304_00052.jpg



View of the ditch at the landward side of the levee looking upstream. Spring 2015.

LM Start	34.15	Rating **	U	Issue No.	208
LM End	34.15	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			39.089243 °	39.089243 °
				-121.896262 °	-121.896262 °
DWR ID	DWR_NA0016_01_s _ 2016_208				
Comment Code					
Inspector Comment					
Clear water. Boil about 5 inches wide. Also a seepage area.					

Photo 1 of 2 : SP_2016_NA0016_435_208_20160328_00273.jpg



Boil has clear water coming out of the hole. Spring 2016.

LM Start	34.15	Rating **	U	Issue No.	208 (cont)
LM End	34.15	Issue Type +	Ob	Location *	LS

Photo 2 of 2 : SP_2016_NA0016_435_208_20160328_00271.jpg



View of the seepage and boil at the toe of the levee on the landward side looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	34.61	Rating **	M	Issue No.	211
LM End	36.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.095553 °	39.116437 °
				-121.895288 °	-121.914481 °
DWR ID	DWR_NA0016_01_s_2016_211				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	34.61	Rating **	M	Issue No.	210	
LM End	36.55	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			39.095554 °		39.116438 °
				-121.895289 °		-121.914480 °
DWR ID	DWR_NA0016_01_s_2016_210					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						

No Photos

LM Start	35.22	Rating **	U	Issue No.	138
LM End	35.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.099225 °	39.099225 °
				-121.904326 °	-121.904326 °
DWR ID	DWR_NA0016_01_f_2015_138				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_138_20160328_00274.jpg



View of the fallen tree on the waterward side of the levee looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

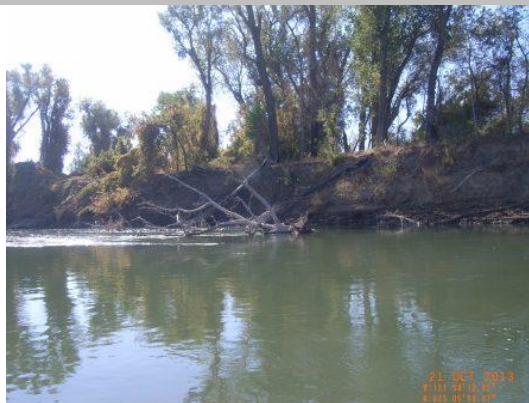
Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	35.23	Rating **	A/W	Issue No.	1
LM End	35.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.099482 °	39.100836 °
				-121.903430 °	-121.904320 °
DWR ID	DWR_NA0016_01_s_2016_1				
Comment Code					
Inspector Comment					
1997 - Major scour off the downstream end of existing rock, creating a scour pocket where the levee starts diverging from the bankline. 2000 - Some minor erosion, 20 ft deep hole at downstream end. 2004 - Small amount of new erosion. 2010 - Bad transition off downstream end of rock revetment, some new erosion. 2012 - Site extended downstream, minor new erosion. 2013- Minor new erosion. 2015: No observed changes. [2015 Site ID: SAC_127-9_R]					

Photo 1 of 1 : SP_2016_NA0016_435_1_20160304_00001.jpg



USACE 2013 Photo #1

LM Start	35.56	Rating **	M	Issue No.	1572
LM End	35.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.103533 °	39.103533 °
				-121.906814 °	-121.906814 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10424					
DS_ID:20273					
EP_NO: 9364A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to verify type of abandonment.					
FIELD_STRUCT_DESC: 3 of 4: 18-inch steel pipe through levee 16.0 feet below crown. Metal cutoff wall. Gate valve on the waterward bank. Siphon breaker in 24-inch corrugated metal riser unit on the landward shoulder. (ABO No. 9364A, 1960). Originally included in the 1960 O&M manual.					
FS Date: 3/18/2013					

Photo 1 of 1 : UCIP_SP_2016_10424_17700.jpg



Siphon breaker in 24-inch CMP riser on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	35.56	Rating **	M	Issue No.	1573
LM End	35.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.103533 °	39.103533 °
				-121.906814 °	-121.906814 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10425 DS_ID:20398 EP_NO: 9364 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Remove abandoned pipe from levee. FIELD_STRUCT_DESC: 4 of 4: *Abandoned* 1.25-inch conduit through levee 3.0 feet below crown (ABO No. 9364A). FS Date: 3/18/2013					

LM Start	35.56	Rating **	M	Issue No.	1573 (cont)
LM End	35.56	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_10425_17702.jpg



Electrical conduit on WS shoulder.

Photo 2 of 2 : UCIP_SP_2016_10425_17701.jpg



Electrical conduit on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	35.69	Rating **	A/W	Issue No.	139
LM End	35.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.105381 °	39.105381 °
				-121.907770 °	-121.907770 °
DWR ID	DWR_NA0016_01_f_2015_139				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_139_20160304_00076.jpg



View of the dying tree on the waterward side of the levee looking upstream. Fall 2015.

LM Start	35.86	Rating **	U	Issue No.	140
LM End	35.86	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.107611 °	39.107611 °
				-121.908817 °	-121.908817 °
DWR ID	DWR_NA0016_01_f_2015_140				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_140_20160328_00275.jpg



View of the fallen tree on the landward side of the levee looking downstream. Spring 2016.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	36.15	Rating **	M	Issue No.	1574
LM End	36.15	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.111233 °	39.111233 °
				-121.911450 °	-121.911450 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10426 DS_ID:20345 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Verify if pipe is abandoned with landowner and remove or abandon properly if necessary. FIELD_STRUCT_DESC: 3 of 3: *Abandoned* 24-inch concrete encased steel drain pipe through levee 17.0 feet below crown. Slide gate on concrete headwalls in waterward end, walkway to control gate and gate valve on landward end (ABO No. 9374, 1960). Originally included in the 1960 O&M manual. FS Date: 3/18/2013					

Photo 1 of 2 : UCIP_SP_2016_10426_17705.jpg



Slide gate on WS toe.

LM Start	36.15	Rating **	M	Issue No.	1574 (cont)
LM End	36.15	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_10426_17704.jpg



Headwall and gate valve on LS toe buried but partially exposed.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	36.24	Rating **	M	Issue No.	1571
LM End	36.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.112377 °	39.112377 °
				-121.912286 °	-121.912286 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10444 DS_ID:20274 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be abandoned properly. FIELD_STRUCT_DESC: 4 of 4: 24-inch corrugated metal pipe through levee 15.5 feet below crown (ABO No. 9374, 1974). Two corrugated metal cutoff walls. Slide gate in 36-inch corrugated metal riser unit on the waterward slope. Pump house with no connection on waterward bank. 12-inch steel pipe with steel plate over end at WS toe (likely pump connection point). 6-foot diameter concrete riser on LS toe. Skid rails mounted on wood piling on the waterward slope. Department of Water Resources B.M. SR 47 on top of concrete anchor post on the waterward shoulder. Power pole and meter box on the waterward shoulder. Switch panel in metal house on the waterward slope. Concrete standpipe on the landward side. Overhead power line crosses the levee to service pole. FS Date: 3/18/2013 7:51:00 AM					

LM Start	36.24	Rating **	M	Issue No.	1571 (cont)
LM End	36.24	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_10444_17725.jpg



36-inch CMP riser with slide gate on WS slope with 12-inch pipe at Toe.

Photo 2 of 2 : UCIP_SP_2016_10444_17724.jpg



Wooden ramp and 2-inch pump connection at WS toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	36.32	Rating **	M	Issue No.	141
LM End	36.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.113305 °	39.113305 °
				-121.913224 °	-121.913224 °
DWR ID	DWR_NA0016_01_f_2015_141				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_141_20160304_00078.jpg



View of the pile of prunings on the landward side of the levee. Fall 2015.

LM Start	36.36	Rating **	M	Issue No.	213
LM End	36.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.113716 °	39.113716 °
				-121.913572 °	-121.913572 °
DWR ID	DWR_NA0016_01_s_2016_213				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	36.67	Rating **	M	Issue No.	212
LM End	36.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.118018 °	39.118018 °
				-121.915083 °	-121.915083 °
DWR ID	DWR_NA0016_01_s_2016_212				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree has fallen on the waterward slope of the levee.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	36.90	Rating **	M	Issue No.	101
LM End	37.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.120210 °	39.121510 °
				-121.917018 °	-121.921172 °
DWR ID	DWR_NA0016_01_s _ 2015_101				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

LM Start	36.91	Rating **	M	Issue No.	214
LM End	39.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.120217 °	39.145040 °
				-121.917222 °	-121.937202 °
DWR ID	DWR_NA0016_01_s _ 2016_214				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	37.07	Rating **	A/W	Issue No.	33
LM End	37.15	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.121003 °	39.121547 °
				-121.919888 °	-121.921278 °
DWR ID	DWR_NA0016_01_s _ 2012_33				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					
Revegetation site is fenced off.					

Photo 1 of 2 : SP_2016_NA0016_435_33_20160328_00276.jpg



View of the revegetation site on the waterward berm of the levee looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	37.07	Rating **	A/W	Issue No.	33 (cont)	
LM End	37.15	Issue Type +	Ob	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			39.121003 °		39.121547 °
				-121.919888 °		-121.921278 °
DWR ID	DWR_NA0016_01_s _ 2012_33					
Comment Code						
V8 : Environmental Requirements.						
Inspector Comment						
Revegetation site is fenced off.						

Photo 2 of 2 : SP_2016_NA0016_435_33_20160328_00277.jpg



Sign stating the revegetation site. Spring 2016.

LM Start	37.13	Rating **	M	Issue No.	215
LM End	39.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.121426 °	39.144193 °
				-121.920868 °	-121.934261 °
DWR ID	DWR_NA0016_01_s _ 2016_215				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	37.72	Rating **	M	Issue No.	142
LM End	37.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.126950 °	39.126950 °
				-121.928547 °	-121.928547 °
DWR ID	DWR_NA0016_01_f _ 2015_142				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_142_20160304_00079.jpg



View of the rodent holes on the waterward side of the levee looking upstream. Fall 2015.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	37.81	Rating **	U	Issue No.	216
LM End	37.81	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			39.127945 °	39.127945 °
				-121.929831 °	-121.929831 °
DWR ID	DWR_NA0016_01_s_2016_216				
Comment Code					
Inspector Comment					
LMA is monitoring the seepage.					

Photo 1 of 1 : SP_2016_NA0016_435_216_20160328_00278.jpg



View of the seepage on the landward side of the levee. Spring 2016.

LM Start	39.33	Rating **	M	Issue No.	217
LM End	39.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.144869 °	39.144869 °
				-121.937826 °	-121.937826 °
DWR ID	DWR_NA0016_01_s_2016_217				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	39.47	Rating **	M	Issue No.	143
LM End	39.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.144647 °	39.144647 °
				-121.935368 °	-121.935368 °
DWR ID	DWR_NA0016_01_f_2015_143				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	39.55	Rating **	M	Issue No.	218
LM End	39.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.144096 °	39.143423 °
				-121.934059 °	-121.926451 °
DWR ID	DWR_NA0016_01_s_2016_218				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	39.84	Rating **	C	Issue No.	144
LM End	39.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.143337 °	39.143337 °
				-121.928995 °	-121.928995 °
DWR ID	DWR_NA0016_01_f_2015_144				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	39.87	Rating **	M	Issue No.	219
LM End	42.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.143402 °	39.168529 °
				-121.928270 °	-121.938290 °
DWR ID	DWR_NA0016_01_s_2016_219				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	39.93	Rating **	M	Issue No.	1580
LM End	39.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143387 °	39.143387 °
				-121.927196 °	-121.927196 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10528 DS_ID:20282 EP_NO: 9352 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears to have been removed from levee section. Need to verify pipe abandonment. FIELD_STRUCT_DESC: 12-inch steel pipe through levee 5.0 feet below crown. Switch house on waterward shoulder, pump and gate valve on waterward bank. Concrete discharge standpipe on landward side. Permit was for a 14-inch (Permit No. 635, 1935). Included in the 1960 O&M manual and ABO No. 9351. FS Date: 3/21/2013					

Photo 1 of 2 : UCIP_SP_2016_10528_17854.jpg



Concrete standpipe at LS toe.

LM Start	39.93	Rating **	M	Issue No.	1580 (cont)
LM End	39.93	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_10528_17853.jpg



Pipe visible at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	39.93	Rating **	M	Issue No.	1556
LM End	39.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143387°	39.143387°
				-121.927196°	-121.927196°
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:11343					
DS_ID:22966					
EP_NO: 9352					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe should be removed.					
FIELD_STRUCT_DESC: 1.5-inch galvanized iron electrical conduit through the levee at unknown depth. Visible on WS slope (Permit No. 635, 1935).					
FS Date: 3/21/2013					

LM Start	39.93	Rating **	M	Issue No.	1556 (cont)
LM End	39.93	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_11343_18741.jpg



Electrical conduit approximately perpendicular to concrete riser on LS toe.

Photo 2 of 2 : UCIP_SP_2016_11343_18740.jpg



1.5-inch electrical conduit on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	40.23	Rating **	U	Issue No.	220
LM End	40.29	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			39.142304 °	39.142142 °
				-121.921861 °	-121.920833 °
DWR ID	DWR_NA0016_01_s _ 2016_220				
Comment Code					
Inspector Comment					
LMA is monitoring seepage site.					

Photo 1 of 1 : SP_2016_NA0016_435_220_20160328_00279.jpg



View of the seepage on the landward side of the levee looking upstream.
Spring 2016.

LM Start	40.44	Rating **	M	Issue No.	1579
LM End	40.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143838 °	39.143838 °
				-121.919338 °	-121.919338 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10527					
DS_ID:20285					
EP_NO: 12799					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears abandoned. Need to verify type of abandonment					
FIELD_STRUCT_DESC: 18-inch steel pipe through levee 6.5 feet below crown. 30-inch CMP standpipe on LS toe. Pump on the waterward toe. Vent in 12-inch CMP riser on the WS shoulder. (Permit No. 12799, 1979).					
FS Date: 3/21/2013					

Photo 1 of 2 : UCIP_SP_2016_10527_17850.jpg



Vent in 12-inch CMP riser on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	40.44	Rating **	M	Issue No.	1579 (cont)
LM End	40.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143838 °	39.143838 °
				-121.919338 °	-121.919338 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10527					
DS_ID:20285					
EP_NO: 12799					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears abandoned. Need to verify type of abandonment					
FIELD_STRUCT_DESC: 18-inch steel pipe through levee 6.5 feet below crown. 30-inch CMP standpipe on LS toe. Pump on the waterward toe. Vent in 12-inch CMP riser on the WS shoulder. (Permit No. 12799, 1979).					
FS Date: 3/21/2013					

Photo 2 of 2 : UCIP_SP_2016_10527_17849.jpg



30-inch CMP riser with slide gate at LS toe.

LM Start	40.64	Rating **	M	Issue No.	102
LM End	40.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.146602 °	39.147582 °
				-121.918897 °	-121.918429 °
DWR ID	DWR_NA0016_01_s_2015_102				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	40.72	Rating **	M	Issue No.	221
LM End	42.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.147579 °	39.168529 °
				-121.918431 °	-121.938289 °
DWR ID	DWR_NA0016_01_s_2016_221				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	40.89	Rating **	M	Issue No.	1585
LM End	40.89	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.150054 °	39.150054 °
				-121.918717 °	-121.918717 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10533 DS_ID:20287 EP_NO: 9351 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned. Should be abandoned properly. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through levee 17.5 feet below crown. Slide gate on the waterward end. Discharges into concrete box at the landward toe (ABO No. 9351, 1960). Small pump discharges into sump area in front of slide gate at WS toe. FS Date: 3/21/2013					

Photo 1 of 2 : UCIP_SP_2016_10533_17865.jpg



Demolished concrete distribution box at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	40.89	Rating **	M	Issue No.	1585 (cont)	
LM End	40.89	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.150054 °	39.150054 °	
				-121.918717 °	-121.918717 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:10533						
DS_ID:20287						
EP_NO: 9351						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Appears abandoned. Should be abandoned properly.						
FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through levee						
17.5 feet below crown. Slide gate on the waterward end. Discharges						
into concrete box at the landward toe (ABO No. 9351, 1960). Small						
pump discharges into sump area in front of slide gate at WS toe.						
FS Date: 3/21/2013						

Photo 2 of 2 : UCIP_SP_2016_10533_17864.jpg



Slide gate at WS toe.

LM Start	41.60	Rating **	U	Issue No.	222
LM End	41.64	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			39.156913 °	39.157074 °
				-121.928324 °	-121.928964 °
DWR ID	DWR_NA0016_01_s_2016_222				
Comment Code					
Inspector Comment					
Seepage is being monitored by LMA.					

Photo 1 of 1 : SP_2016_NA0016_435_222_20160328_00280.jpg



View of the seepage in the ditch at the toe of the levee on the landward side. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	41.86	Rating **	M	Issue No.	1586
LM End	41.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.158648 °	39.158648 °
				-121.932429 °	-121.932429 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:10536
DS_ID:20289
EP_NO: 9341
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Appears abandoned. Needs to be abandoned properly.
FIELD_STRUCT_DESC: 30-inch pipe through levee 19.5 feet below crown. Slide gate in 36-inch corrugated metal pipe riser on the waterward slope (ABO No. 9341, 1960)
FS Date: 3/21/2013

LM Start	41.86	Rating **	M	Issue No.	1586 (cont)
LM End	41.86	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_10536_17883.jpg



30-inch CMP at outlet on LS toe.

Photo 2 of 2 : UCIP_SP_2016_10536_17882.jpg



View from LS toe of CMP pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

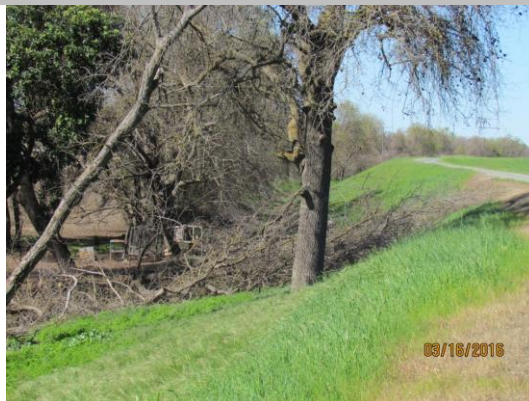
Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	42.22	Rating **	M	Issue No.	223
LM End	42.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.162903 °	39.162903 °
				-121.936042 °	-121.936042 °
DWR ID	DWR_NA0016_01_s_2016_223				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_223_20160328_00281.jpg



View of the fallen tree on the landward side of the levee looking upstream. Spring 2016.

LM Start	42.24	Rating **	M	Issue No.	103
LM End	43.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.163132 °	39.175351 °
				-121.936185 °	-121.941780 °
DWR ID	DWR_NA0016_01_s_2015_103				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

LM Start	42.73	Rating **	M	Issue No.	146
LM End	42.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.169949 °	39.169949 °
				-121.938664 °	-121.938664 °
DWR ID	DWR_NA0016_01_f_2015_146				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	42.90	Rating **	A/W	Issue No.	4
LM End	43.09	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.172501 °	39.174949 °
				-121.939053 °	-121.940737 °
DWR ID	DWR_NA0016_01_s_2016_4				
Comment Code					
Inspector Comment					
2010 - Lower portion of 136.7 that did not extend far enough. Abrupt transition from upstream site. 2012 - Site extended upstream, minor new erosion. 2013 - Minor new erosion at the toe. New tree popout. Downstream limit extended. 2015: No observed changes. [2015 Site ID: SAC_136-6_R]					

Photo 1 of 1 : SP_2016_NA0016_435_4_20160304_00004.jpg



USACE 2013 Photo #1

LM Start	43.24	Rating **	M	Issue No.	46
LM End	43.24	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.176429 °	39.176429 °
				-121.942889 °	-121.942889 °
DWR ID	DWR_NA0016_01_s_2012_46				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_46_20160304_00030.jpg



A solid fence along the toe of the levee. Photo taken spring 2012.

LM Start	43.26	Rating **	M	Issue No.	224
LM End	43.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.176631 °	39.176631 °
				-121.943146 °	-121.943146 °
DWR ID	DWR_NA0016_01_s_2016_224				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damaged due to gazing.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	43.51	Rating **	M	Issue No.	225
LM End	43.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.179527 °	39.184715 °	
			-121.946188 °	-121.944452 °	
DWR ID	DWR_NA0016_01_s _ 2016_225				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	43.66	Rating **	M	Issue No.	226
LM End	43.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.181528 °	39.184715 °	
			-121.946652 °	-121.944452 °	
DWR ID	DWR_NA0016_01_s _ 2016_226				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	43.68	Rating **	M	Issue No.	147
LM End	43.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.181788 °	39.181788 °	
			-121.946607 °	-121.946607 °	
DWR ID	DWR_NA0016_01_f _ 2015_147				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	44.31	Rating **	M	Issue No.	227
LM End	44.31	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.189010 °	39.189010 °
				-121.939915 °	-121.939915 °
DWR ID	DWR_NA0016_01_s _ 2016_227				
Comment Code					
BU : Building					
Inspector Comment					
Beehives are on the waterward side of the levee.					

Photo 1 of 1 : SP_2016_NA0016_435_227_20160328_00282.jpg



View of the beehives on the waterward side of the levee looking downstream. Spring 2016.

LM Start	44.87	Rating **	U	Issue No.	228
LM End	45.23	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			39.195595 °	39.193890 °
				-121.945408 °	-121.950276 °
DWR ID	DWR_NA0016_01_s _ 2016_228				
Comment Code					
Inspector Comment					
Seepage site is being monitored by LMA.					

Photo 1 of 1 : SP_2016_NA0016_435_228_20160328_00283.jpg



View of the seepage on the landward side of the levee looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	45.39	Rating **	A/W	Issue No.	108
LM End	45.90	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.192653 °	39.188518 °
				-121.952768 °	-121.960446 °
DWR ID	DWR_NA0016_01_s _ 2015_108				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0016_435_108_20160328_00286.jpg



View of the revegetation site on the waterward side of the levee looking upstream. Spring 2016.

LM Start	45.39	Rating **	A/W	Issue No.	108 (cont)
LM End	45.90	Issue Type +	Ob	Location *	WS

Photo 2 of 2 : SP_2016_NA0016_435_108_20160328_00284.jpg



Sign stating revegetation site. Spring 2016.

LM Start	45.41	Rating **	M	Issue No.	229
LM End	46.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.192510 °	39.186765 °
				-121.953101 °	-121.976179 °
DWR ID	DWR_NA0016_01_s _ 2016_229				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	45.83	Rating **	M	Issue No.	230
LM End	46.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.189269 °	39.187614 °
				-121.959644 °	-121.977929 °
DWR ID	DWR_NA0016_01_s _ 2016_230				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	46.01	Rating **	A/W	Issue No.	109
LM End	46.01	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.187479 °	39.187479 °
				-121.962081 °	-121.962081 °
DWR ID	DWR_NA0016_01_s _ 2015_109				
Comment Code					
PI : Pipe					
Inspector Comment					
The siphon filter is fixed. There is no external leak on the levee from the pipe, however there are vegetation growing in line with the pipe. Update 3/16/2016: Seems some maintenance was done on pipe. Vegetation on top of pipe is removed.					

Photo 1 of 6 : SP_2016_NA0016_435_109_20160304_00054.jpg



View of the siphon breaker on the shoulder of the waterward side of the levee looking upstream. Spring 2015.

LM Start	46.01	Rating **	A/W	Issue No.	109 (cont)
LM End	46.01	Issue Type +	En	Location *	WS

Photo 2 of 6 : SP_2016_NA0016_435_109_20160304_00055.jpg



Vegetation is aligned where the pipe is on the waterward side of the levee. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	46.01	Rating **	A/W	Issue No.	109 (cont)	
LM End	46.01	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			39.187479 °	39.187479 °	
				-121.962081 °	-121.962081 °	
DWR ID	DWR_NA0016_01_s _ 2015_109					
Comment Code						
PI : Pipe						
Inspector Comment						
The siphon filter is fixed. There is no external leak on the levee from the pipe, however there are vegetation growing in line with the pipe. Update 3/16/2016: Seems some maintenance was done on pipe. Vegetation on top of pipe is removed.						

LM Start	46.01	Rating **	A/W	Issue No.	109 (cont)
LM End	46.01	Issue Type +	En	Location *	WS

Photo 3 of 6 : SP_2016_NA0016_435_109_20160304_00056.jpg



Perspective view of the vegetation where the pipe runs through the levee on the waterward side of the levee looking upstream. Fall 2015.

Photo 4 of 6 : SP_2016_NA0016_435_109_20160328_00293.jpg



Non-vegetated seems to align with the pipe. Spring 2016.

LM Start	46.01	Rating **	A/W	Issue No.	109 (cont)
LM End	46.01	Issue Type +	En	Location *	WS

Photo 5 of 6 : SP_2016_NA0016_435_109_20160328_00287.jpg



Perspective view of the non-vegetated area where the pipe seems to run through the levee looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	46.01	Rating **	A/W	Issue No.	109 (cont)
LM End	46.01	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.187479 °	39.187479 °
				-121.962081 °	-121.962081 °
DWR ID	DWR_NA0016_01_s _ 2015_109				
Comment Code					
PI : Pipe					
Inspector Comment					
The siphon filter is fixed. There is no external leak on the levee from the pipe, however there are vegetation growing in line with the pipe. Update 3/16/2016: Seems some maintenance was done on pipe. Vegetation on top of pipe is removed.					

Photo 6 of 6 : SP_2016_NA0016_435_109_20160328_00292.jpg



Pipe seems to be capped off at the toe of the levee on the waterward side of the levee. Spring 2016.

LM Start	46.01	Rating **	M	Issue No.	1592
LM End	46.01	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.187497 °	39.187497 °
				-121.962074 °	-121.962074 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46812					
DS_ID:20314					
EP_NO: 15763					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Fresno valve on WS shoulder is broken. Pipe appears to be abandoned. Need to abandon properly if necessary. site visit on 10/09/2015 indicates water is present somewhere along the waterside levee slope. Possibly siphon breaker or fresno valve sprays and drains down levee slope from WS shoulder. internal inspection of pipe recommended to determine source of leak. Pipe is active, but can be removed and capped when not in use.					
FIELD_STRUCT_DESC: 4-inch galvanized steel irrigation pipe through levee 2.0 feet below crown. Irrigation valve approx. 50 feet landward of the landward levee toe. Fresno valve on WS shoulder with connection for pump at WS berm. (Permit No. 15763, 1992).					
FS Date: 3/22/2013					

Photo 1 of 2 : UCIP_SP_2016_46812_17909.jpg



Broken fresno valve on WS shoulder

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	46.01	Rating **	M	Issue No.	1592 (cont)	
LM End	46.01	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.187497 °		39.187497 °
				-121.962074 °		-121.962074 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:46812 DS_ID:20314 EP_NO: 15763 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Fresno valve on WS shoulder is broken. Pipe appears to be abandoned. Need to abandon properly if necessary. site visit on 10/09/2015 indicates water is present somewhere along the waterside levee slope. Possibly siphon breaker or fresno valve sprays and drains down levee slope from WS shoulder. internal inspection of pipe recommended to determine source of leak. Pipe is active, but can be removed and capped when not in use. FIELD_STRUCT_DESC: 4-inch galvanized steel irrigation pipe through levee 2.0 feet below crown. Irrigation valve approx. 50 feet landward of the landward levee toe. Fresno valve on WS shoulder with connection for pump at WS berm. (Permit No. 15763, 1992). FS Date: 3/22/2013						

Photo 2 of 2 : UCIP_SP_2016_46812_17908.jpg



Pipe connection at WS toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	46.35	Rating **	U	Issue No.	1591
LM End	46.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.186111 °	39.186111 °
				-121.968069 °	-121.968069 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:46773
DS_ID:20296
EP_NO: 5551
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: Possible sink hole along alignment 10-feet LS of siphon breaker on LS slope. Recent road repair along the approximate pipe alignment suggests that levee slumping is related to pipe. It is recommended that further investigation e.g. video inspection or other internal method may help determine if the issue is due to pipe or due to levee settlement in vicinity of the pipe.
FIELD_STRUCT_DESC: 18-inch steel pipe through levee 3.0 feet below crown. Pump mounted on piling structure on the waterward bank. Switch box on the waterward shoulder and siphon breaker in 30-inch CMP riser on LS shoulder. Discharges into concrete box at toe of the landward slope (ABO No. 9349, 1974). Design drawings available in Permit No. 5551, 1968. Fish screen installed under permit No. 17222. FS Date: 3/22/2013

LM Start	46.35	Rating **	U	Issue No.	1591 (cont)
LM End	46.35	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_46773_74722.jpg



Recent pavement repair showing levee slumping. Photo taken from WS looking upstream along Moon Bend Rd

Photo 2 of 2 : UCIP_SP_2016_46773_74723.jpg



Siphon Breaker in 20-inch CMP riser on LS Shoulder. Photo taken from LS looking DS along Moon Bend Rd

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	47.01	Rating **	M	Issue No.	54
LM End	47.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.188544 °	39.189733 °
				-121.979272 °	-121.981232 °
DWR ID	DWR_NA0016_01_s _ 2012_54				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Cactus on slope and toe of levee, landscape continues along roadway with fence and stairs.					

Photo 1 of 1 : SP_2016_NA0016_435_54_20160328_00294.jpg



View of the revegetation on the landward side of the levee looking upstream. Spring 2016.

LM Start	47.16	Rating **	M	Issue No.	1552
LM End	47.16	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.189783 °	39.189783 °
				-121.981548 °	-121.981548 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10553					
DS_ID:20298					
EP_NO: 9347					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to verify type of abandonment.					
FIELD_STRUCT_DESC: 1 of 2: 24-inch pipe through levee 25.5 feet below crown. 14-inch pipe sleeved through this pipe. Annular space grouted. Pump in pump house on the landward side. Gate valve in pump house (ABO No. 9347, 1960). Originally included in the 1960 O&M manual.					
FS Date: 3/22/2013					

Photo 1 of 1 : UCIP_SP_2016_10553_17929.jpg



Possible location for pipe crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	47.19	Rating **	A/W	Issue No.	90
LM End	47.62	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.189930 °	39.193491 °
				-121.982143 °	-121.988184 °
DWR ID	DWR_NA0016_01_s_2014_90				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0016_435_90_20160304_00044.jpg



A revegetation site along the waterside berm. Spring 2014

LM Start	47.62	Rating **	A/W	Issue No.	3
LM End	47.77	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.193769 °	39.195595 °
				-121.987901 °	-121.988621 °
DWR ID	DWR_NA0016_01_s_2016_3				
Comment Code					
Inspector Comment					
2010 - Old cobble site starting to unravel at toe. 2011 - Cobbles continue to unravel. 2013 - Site extended downstream to revetment. 2015: No observed changes. [2015 Site ID: SAC_141-5_R]					

Photo 1 of 1 : SP_2016_NA0016_435_3_20160304_00003.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	47.71	Rating **	M	Issue No.	1553
LM End	47.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.194772 °	39.194772 °
				-121.988886 °	-121.988886 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10563 DS_ID:20309 EP_NO: 9347 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to determine type of abandonment. FIELD_STRUCT_DESC: 2 of 2: *Removed*16-inch steel pipe through levee 17.3 feet below crown. Gate valve on the waterward end. Pump on the waterward bank. Switch box on the waterward shoulder. (ABO No. 9347,1960). Originally included in the 1960 O&M manual. FS Date: 3/22/2013					

Photo 1 of 2 : UCIP_SP_2016_10563_17941.jpg



Concrete pumphouse debris on WS berm.

LM Start	47.71	Rating **	M	Issue No.	1553 (cont)
LM End	47.71	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_10563_17940.jpg



JP on WS shoulder for removed pump switch house.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	47.80	Rating **	M	Issue No.	231
LM End	48.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.196079 °	39.202348 °
				-121.989082 °	-121.986217 °
DWR ID	DWR_NA0016_01_s _ 2016_231				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	47.80	Rating **	M	Issue No.	232
LM End	49.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.196079 °	39.213656 °
				-121.989082 °	-121.999810 °
DWR ID	DWR_NA0016_01_s _ 2016_232				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	48.38	Rating **	M	Issue No.	1578
LM End	48.38	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.203761 °	39.203761 °
				-121.985220 °	-121.985220 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10566 DS_ID:20300 EP_NO: 9343 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears to be abandoned. Need to verify type of abandonment. FIELD_STRUCT_DESC: 2 of 2: 24-inch pipe through levee 15.5 feet below crown (pipe measures 12-inch on LS toe). Slant pump on steel piling structure on the waterward bank. Butterfly valve at toe of the landward slope. Overhead power line crosses the levee. (ABO No. 9343, 1960) Originally included in the 1960 O&M manual. FS Date: 3/22/2013					

LM Start	48.38	Rating **	M	Issue No.	1578 (cont)
LM End	48.38	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_10566_17954.jpg



Siphon Breaker in 30-inch CMP riser on LS shoulder and butterfly valve at LS toe.

Photo 2 of 2 : UCIP_SP_2016_10566_17953.jpg



Pump covered in brush on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	03/15/2016 03/16/2016	Jai Lor

LM Start	48.51	Rating **	M	Issue No.	233
LM End	49.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.205547 °	39.213657 °
				-121.984400 °	-121.999829 °
DWR ID	DWR_NA0016_01_s _ 2016_233				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	49.46	Rating **	M	Issue No.	19
LM End	49.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.213608 °	39.213869 °
				-121.997543 °	-121.999641 °
DWR ID	DWR_NA0016_01_s _ 2016_19				
Comment Code					
Inspector Comment					
2011 - Multiple scallops, one tree pop out. Old cobble site starting to unravel at midbank. 2012 - Mid bank slumping continues to worsen but cobble at the toe appears stable. 2015: No observed changes. [2015 Site ID: SAC_143-5_R]					

Photo 1 of 1 : SP_2016_NA0016_435_19_20160304_00019.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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